

Zadatak 1.

```
File Edit Format Run Options Windows Help
# 07_01
def main():
    s = input()
    st = ''
    for i in range(len(s)):
        st += s[i] + '-'
    print(st)

main()
```

Zadatak 2.

```
File Edit Format Run Options Windows Help
# 07_02
def zensko(s):
    a = 'Aa'
    if s[len(s) - 1] in a:
        return True
    else:
        return False

def main():
    n = int(input('Koliko imena? '))
    m = z = 0
    for i in range(n):
        ime = input('Unesi ime: ')
        if zensko(ime):
            z += 1
        else:
            m += 1
    print('Muških: {}\nženskih: {}'.format(m, z))

main()
```

Zadatak 3.

```
File Edit Format Run Options Windows Help
# 07_03
def main():
    s = input('Riječ: ')
    st = ''
    for i in range(0, len(s), 2):
        st += s[i] + ' '
    print(st)

main()
```

Zadatak 4.

```
File Edit Format Run Options Windows Help
# 07_04
def znamenka(s):
    if s in '0123456789':
        return True
    else:
        return False

def brojZnamenaka(s):
    t = 0
    for i in range(len(s)):
        if znamenka(s[i]):
            t += 1
    return t

def main():
    s = input('Riječ: ')
    print(brojZnamenaka(s))

main()
```

Zadatak 5.

```
File Edit Format Run Options Windows Help
# 07_05
def malo(s):
    if s >= 'a' and s <= 'z':
        return True
    else:
        return False

def malaSlova(s):
    st = ''
    for i in range(len(s)):
        if malo(s[i]):
            st += s[i]
    return st

def main():
    s = input('Riječ: ')
    print(malaSlova(s))

main()
```

Zadatak 6.

```
File Edit Format Run Options Windows Help
# 07_06
def UNICODEmasa(s):
    m = 0
    for i in range(len(s)):
        m += ord(s[i])
    return m

def main():
    s = input('Riječ: ')
    print(UNICODEmasa(s))

main()
```

Zadatak 7.

```
File Edit Format Run Options Windows Help
# 07_07
def inicijali(s):
    m = s.index(' ')
    return s[0] + '.' + s[m + 1] + '.'

def main():
    s = input('Ime i prezime: ')
    print(inicijali(s))

main()
```

Zadatak 8.

```
File Edit Format Run Options Windows Help
# 07_08
def pobojednikSeta(s):
    a = b = 0
    for i in range(len(s)):
        if s[i] == 'A':
            a += 1
        else:
            b += 1
    if a > b:
        return 'A'
    else:
        return 'B'

def main():
    n = int(input('Broj setova: '))
    a = b = 0
    for i in range(n):
        s = input('Rezultat seta: ')
        if pobojednikSeta(s) == 'A':
            a += 1
        else:
            b += 1
    print('{} : {}'.format(a, b))

main()
```

Zadatak 9.

```
File Edit Format Run Options Windows Help
# 07_09
def umetniZnak(s, n, z):
    return s[:n] + z + s[n:]

def main():
    s = input('Riječ: ')
    z = input('Znak: ')
    for i in range(len(s) + 1):
        print(umetniZnak(s, i, z))

main()
```

Zadatak 10.

```
File Edit Format Run Options Windows Help
# 07_10
def zamjeniMjesta(s):
    st = ''
    for i in range(0, len(s) - 1, 2):
        st += s[i + 1] + s[i]
    if len(s) % 2 != 0:
        st += s[len(s) - 1]
    return st

def main():
    s = input('Riječ: ')
    novi = zamjeniMjesta(s)
    print(novi)

main()
```

Zadatak 11.

```
File Edit Format Run Options Windows Help
# 07_11
def brisiSuvisneRazmake(s):
    st = ''
    s = s.strip()
    while '  ' in s:
        s = s.replace('  ', ' ')
    return s

def main():
    s = input('Rečenica: ')
    s = brisiSuvisneRazmake(s)
    ##dodaje se razmak na kraj
    s += ' '
    while len(s) > 0:
        k = s.index(' ')
        t = s[:k]
        print(t.capitalize())
        s = s[k + 1:]

main()
```

Zadatak 12.

```
File Edit Format Run Options Windows Help
# 07_12
def dekomprimirajZnak(s):
    n = int(s[1])
    return s[0] * n

def main():
    s = input('Tekst: ')
    st = ''
    for i in range(0, len(s), 2):
        st += dekomprimirajZnak(s[i : i + 2])
    print(st)

main()
```

Zadatak 13.

```
File Edit Format Run Options Windows Help
# 07_13
def kriptirajZnak(s, n):
    k = ord(s) - 65
    k = (k + n) % 26
    return chr(k + 65)

def kriptirajRijec(s, n):
    st = ''
    for i in range(len(s)):
        st += kriptirajZnak(s[i], n)
    return st

def main():
    s = input('Tekst: ')
    n = int(input('Broj: '))
    print(kriptirajRijec(s, n))

main()
```

Zadatak 14.

```
File Edit Format Run Options Windows Help
# 07_14
def zamjeniZnakove(s):
    s = s.replace('DZ=', 'D')
    s = s.replace('D-', 'D')
    s = s.replace('Z=', 'Z')
    s = s.replace('S=', 'S')
    s = s.replace('C=', 'C')
    s = s.replace('C-', 'C')
    s = s.replace('NJ', 'N')
    s = s.replace('LJ', 'L')
    return s

def main():
    s = input('Tekst: ')
    print(len(zamjeniZnakove(s)))

main()
```

Zadatak 15.

```
File Edit Format Run Options Windows Help
# 07_15
def palindrom(s):
    s = s.upper()
    return s == s[::-1]

def main():
    s = input('Riječ: ')
    r = ''
    for i in range(len(s)):
        for j in range(i + 1, len(s) + 1):
            if palindrom(s[i:j]) and len(s[i:j]) > len(r):
                r = s[i:j]
    print(r)

main()
```

Zadatak 16.

```
File Edit Format Run Options Windows Help
# 07_16
def dvostruka(s):
    s = s.upper()
    n = len(s) // 2
    return s[:n] == s[n:]

def main():
    s = input('Riječ: ')
    r = ''
    for i in range(len(s)):
        for j in range(i + 1, len(s) + 1):
            if dvostruka(s[i:j]) and len(s[i:j]) > len(r):
                r = s[i:j]
    print(r)

main()
```

Zadatak 17.

```
File Edit Format Run Options Windows Help
# 07_17
def pozicija(p, s):
    for i in range(0, len(s), 2):
        if s[i] == p:
            p = s[i + 1]
        elif s[i + 1] == p:
            p = s[i]
    return p

def main():
    p = input('Pozicija kuglice: ')
    razmjestanja = input('Razmjestanja: ')
    print(pozicija(p, razmjestanja))

main()
```

Zadatak 18.

```
File Edit Format Run Options Windows Help
# 07_18
def prijatelji(s, t):
    if (s == 'C' and t == 'P') or (s == 'P' and t == 'C'):
        return False
    else:
        return True

def sviPrijatelji(s):
    for i in range(len(s) - 1):
        if not prijatelji(s[i], s[i + 1]):
            return False
    return True

def main():
    s = input('Raposred vitezova: ')
    r = s * 2
    t = ''
    for i in range(len(r)):
        for j in range(i + 1, len(r)):
            if sviPrijatelji(r[i:j]) and len(r[i:j]) > len(t):
                t = r[i:j]
    if len(t) > len(s):
        t = s
    print(len(t))

main()
```

Zadatak 19.

```
File Edit Format Run Options Windows Help
# 07_19
def maloSlovo(s):
    return 'a' <= s <= 'z'

def znamenka(s):
    return '0' <= s <= '9'

def brojAtoma(formula, element):
    a = 0
    ##Na kraj formule se dodaje još jedan znak kako bi se za
    ##svaki znak moglo provjeravati slovo koje se nalazi neposredno
    ##iza njega
    formula += '#'
    while element in formula:
        t = formula.index(element)
        if t < len(formula) and not maloSlovo(formula[t + 1]):
            if znamenka(formula[t + 1]):
                a += int(formula[t + 1])
            else:
                a += 1
        formula = formula[t + 1:]
    return a

def main():
    f = input('Formula: ')
    e = input('Element: ')
    print(brojAtoma(f, e))

main()
```

Zadatak 20.

```
File Edit Format Run Options Windows Help
# 07_20
n = int(input('Broj elemenata liste: '))
a = [0] * n
for i in range(n):
    a[i] = int(input())

for i in range(n - 1, -1, -1):
    print(a[i])
```

Zadatak 21.

```
File Edit Format Run Options Windows Help
# 07_21
def prost(n):
    for i in range(2, round(n ** (1 / 2)) + 1):
        if n % i == 0:
            return False
    return True

n = int(input('Broj elemenata: '))
a = [0] * n
for i in range(n):
    a[i] = int(input())

for i in range(n):
    if prost(a[i]):
        print(a[i])
```

Zadatak 22.

```
File Edit Format Run Options Windows Help
# 07_22
def upis(n):
    x = [0] * 0
    for i in range(n):
        x[i] = int(input())
    return x

n = int(input('Broj elemenata: '))
a = upis(n)
b = upis(n)
c = [0] * 2 * n
i, j = 0, 0
for t in range(2 * n):
    if (i < n and j < n and a[i] < b[j]) or (j >= n):
        c[t] = a[i]
        i += 1
    else:
        c[t] = b[j]
        j += 1

for i in range(2 * n):
    print(c[i])
```

Zadatak 23.

```
File Edit Format Run Options Windows Help
# 07_23
def upis(n):
    x = [0] * n
    for i in range(n):
        x[i] = int(input())
    return x

n = int(input('Broj elemenata: '))
print('Prva lista:')
a = upis(n)
print('Druga lista:')
b = upis(n)
s = 0
for i in range(n):
    s += a[i] * b[i]

print(s)
```

Zadatak 24.

```
File Edit Format Run Options Windows Help
# 07_24
def upis(st):
    x = [0] * (st + 1)
    for i in range(st, -1, -1):
        x[i] = int(input())
    return x

def zbroj(a, b):
    if len(a) < len(b):
        a, b = b, a
    for i in range(0, len(b)):
        a[i] += b[i]
    return a

n = int(input('Stupanj prvog polinoma: '))
a = upis(n)
m = int(input('Stupanj drugog polinoma: '))
b = upis(m)
c = zbroj(a, b)

for i in range(n, -1, -1):
    print(c[i])
```

Zadatak 25.

```
File Edit Format Run Options Windows Help
# 07_25
def upis(st):
    x = [0] * (st + 1)
    for i in range(st, -1, -1):
        x[i] = int(input())
    return x

def umnozak(a, b):
    c = [0] * (len(a) + len(b) - 1)
    for i in range(len(a)):
        for j in range(len(b)):
            c[i + j] += a[i] * b[j]
    return c

n = int(input('Stupanj prvog polinoma: '))
a = upis(n)
m = int(input('Stupanj drugog polinoma: '))
b = upis(m)

c = umnozak(a, b)

for i in range(len(c) - 1, -1, -1):
    print('{0}'.format(c[i]), end = ' ')
```

Zadatak 26.

```
File Edit Format Run Options Windows Help
# 07_26
def vrijednost(a, x):
    t = 0
    n = len(a)
    for i in range(n - 1, -1, -1):
        t = t * x + a[i]
    return t

def djelitelji_slobodnog_clana(a):
    t = []
    for i in range(1, abs(a[0]) + 1):
        if a[0] % i == 0:
            t.append(i)
            t.append(-i)
    t.sort()
    return t

n = int(input('Stupanj polinoma: '))
a = [0] * (n + 1)
for i in range(n, -1, -1):
    a[i] = int(input())

p = djelitelji_slobodnog_clana(a)
for x in p:
    if vrijednost(a, x) == 0:
        print(x, end = ' ')
```

Zadatak 27.

```

File Edit Format Run Options Windows Help
# 07_27
def gradovaIzmedu(a, p, k):
    u = 0
    for i in range(len(a)):
        if a[i] >= p and a[i] <= k:
            u += 1
    return u

n = int(input('Broj gradova: '))
a = [0] * n
print('Udaljenosti gradova od početka ceste: ')
for i in range(n):
    a[i] = int(input())

u = int(input('Udaljenost na kojoj se nalazi Antonio: '))
k = int(input('Broj kilometara koje može proći: '))

l = gradovaIzmedu(a, u - k, u)
d = gradovaIzmedu(a, u, u + k)

if l > d:
    print(l)
else:
    print(d)

```

Zadatak 28.

```

File Edit Format Run Options Windows Help
# 07_28
def tipka_pritisaka(c):
    tmp = ['ABC', 'DEF', 'GHI', 'JKL', 'MNO', 'PQRS', 'TUV', 'WXYZ']
    for i in range(len(tmp)):
        if c in tmp[i]:
            return i + 1, tmp[i].index(c) + 1
    return

s = input()
pt = 0
u = 0
for i in range(len(s)):
    t, v = tipka_pritisaka(s[i])
    u += v
    if t == pt:
        u += 1
    pt = t
print(u)

```

Zadatak 29.

```
File Edit Format Run Options Windows Help
# 07_29
n = int(input('Broj igrača: '))
m = int(input('Broj m: '))
u_igri = [i + 1 for i in range(n)]
k = 1
i = 0
while len(u_igri) > 1:
    if k % m == 0:
        u_igri.pop(i)
    else:
        i += 1
    if i > len(u_igri) - 1:
        i = 0
    k += 1

print(u_igri[0])
```

Zadatak 30.

```
File Edit Format Run Options Windows Help
# 07_30
def generiraj_sve_kombinacije(b = ['C', 'Z', 'B', 'S', 'P', 'N']):
    t = []
    for i1 in b:
        for i2 in b:
            for i3 in b:
                for i4 in b:
                    t.append(i1 + i2 + i3 + i4)
    return t

def podudaranje(L, I):
    jj, jr = 0, 0
    for i in range(len(L)):
        if L[i] == I[i]:
            jj += 1

    li = list(L)
    ii = list(I)
    for i in range(len(li)):
        for j in range(len(ii)):
            if li[i] == ii[j]:
                jr += 1
                li[i] = 'X'
                ii[j] = 'Y'
    return (jj, jr - jj)

k = generiraj_sve_kombinacije()
n = int(input())
for i in range(n):
    s = input()
    jj = int(input())
    jr = int(input())
    t = 0
    while t < len(k):
        if (jj, jr) != podudaranje(s, k[t]):
            k.pop(t)
        else:
            t += 1
print(len(k))
```

Zadatak 31.

```
File Edit Format Run Options Windows Help  
# 07_31  
s1 = set(input())  
s2 = set(input())  
print(len(s1 | s2))
```

Zadatak 32.

```
File Edit Format Run Options Windows Help  
# 07_32  
s1 = set(input())  
s2 = set(input())  
print(len(s1 & s2))
```

Zadatak 33.

```
File Edit Format Run Options Windows Help  
# 07_33  
s = {1, 2, 3, 4, 5, 6, 7}  
for i in range(6):  
    s -= {int(input())}  
  
for i in s:  
    print(i)
```

Zadatak 34.

```
File Edit Format Run Options Windows Help  
# 07_34  
svi_ucenici = set(input().split(','))  
print(svi_ucenici)  
u_autobusu = set(input().split(','))  
print(u_autobusu)  
t = list(svi_ucenici - u_autobusu)  
print(t)  
if len(t) > 0:  
    t.sort()  
    for u in t:  
        print(u)  
else:  
    print('SVI SU')
```

Zadatak 35.

```
File Edit Format Run Options Windows Help
# 07_35
d = set(input().split(','))
u = set(input().split(','))
print(len(u - d))
```

Zadatak 36.

```
File Edit Format Run Options Windows Help
# 07_36
n = int(input())
s = {'ponedjeljak', 'utorak', 'srijeda', 'četvrtak', 'petak'}
for i in range(n):
    t = set(input().split(','))
    s -= t
if len(s) == 0:
    print('NEMA SLOBODNIH DANA')
else:
    for t in s:
        print(t)
```

Zadatak 37.

```
File Edit Format Run Options Windows Help
# 07_37
ispis = input().split(',')
stranice = set()
for t in ispis:
    if '-' in t:
        n = t.index('-')
        a = int(t[:n])
        b = int(t[n + 1:])
        for i in range(a, b + 1):
            stranice |= {i}
    else:
        stranice |= {int(t)}
print(len(stranice))
```

Zadatak 38.

```
File Edit Format Run Options Windows Help
# 07_38
fin = open('ulaz.txt', 'r')
fout = open('izlaz.txt', 'w')
s = fin.readline().split()
a = int(s[0])
b = int(s[1])
fout.write('{0}\n'.format(a + b))
fout.write('{0}\n'.format(a - b))
fout.write('{0}\n'.format(a * b))
fout.write('{0:.2f}\n'.format(a / b))
fout.close()
```

Zadatak 39.

```
File Edit Format Run Options Windows Help
# 07_39
fin = open('ulaz.txt', 'r')
fout = open('izlaz.txt', 'w')
r = fin.readlines()
for s in r:
    a = s.split()
    if a[1] == '+':
        fout.write('{0}\n'.format(int(a[0]) + int(a[2])))
    elif a[1] == '-':
        fout.write('{0}\n'.format(int(a[0]) - int(a[2])))
    elif a[1] == '*':
        fout.write('{0}\n'.format(int(a[0]) * int(a[2])))
    elif a[1] == '/':
        fout.write('{0:.2f}\n'.format(int(a[0]) / int(a[2])))
fout.close()
```

Zadatak 40.

a.

```
File Edit Format Run Options Windows Help
# 07_40A
fin = open('ulaz.txt', 'r')
fout = open('izlaz.txt', 'w')
r = fin.readlines()
u = 0
for s in r:
    a = s.split()
    u += len(a)
fout.write(str(u))
fout.close()
```

b.

```
File Edit Format Run Options Windows Help
# 07_40B
fin = open('ulaz.txt', 'r')
fout = open('izlaz.txt', 'w')
r = fin.readlines()
u = []
for s in r:
    a = s.split()
    for t in a:
        if len(t) < 5:
            u.append(t)
u.sort()
for t in u:
    fout.write('{0}\n'.format(t))
fout.close()
```

Zadatak 41.

```
File Edit Format Run Options Windows Help
# 07_41
def masa(s):
    u = 0
    for t in s:
        u += ord(t)
    return u

fin = open('ulaz.txt', 'r')
fout = open('izlaz.txt', 'w')
rijeci = []
for r in fin.readlines():
    for k in r.split():
        rijeci.append(k)

for i in range(len(rijeci) - 1):
    for j in range(i + 1, len(rijeci)):
        if masa(rijeci[i]) > masa(rijeci[j]):
            rijeci[i], rijeci[j] = rijeci[j], rijeci[i]
for t in rijeci:
    fout.write('{0}\n'.format(t))
fout.close()
```

Zadatak 42.

```
File Edit Format Run Options Windows Help
# 07_42
def slova_u_rijeci(s, r):
    for c in s:
        if c in r:
            return True
    return False

fin = open('ulaz.txt', 'r')
fout = open('izlaz.txt', 'w')
slova = fin.readline().split()
for r in fin.readlines():
    for t in r.split():
        if slova_u_rijeci(slova, t):
            fout.write('{0}\n'.format(t))
fout.close()
```

Zadatak 43.

a.

```
File Edit Format Run Options Windows Help
# 07_43A
fin = open('ulaz.txt', 'r')
fout = open('izlaz.txt', 'w')
retci = fin.readlines()
for r in retci:
    t = r.split()
    s = 0
    for i in range(len(t) - 1):
        s += int(t[i + 1])
    fout.write('{0} {1:.2f}\n'.format(t[0], s / 12))
fout.close()
```

b.

```
File Edit Format Run Options Windows Help
# 07_43B
fin = open('ulaz.txt', 'r')
fout = open('izlaz.txt', 'w')
mjeseci = ['Siječanj', 'Veljača', 'Ožujak', 'Travanj', 'Svibanj', 'Lipanj', 'Srpanj',
           'Kolovoz', 'Rujan', 'Listopad', 'Studen', 'Prosinac']
retci = fin.readlines()
for r in retci:
    t = r.split()
    max_t = int(t[1])
    for i in range(len(t) - 1):
        if max_t < int(t[i + 1]):
            max_t = int(t[i + 1])
    m = ''
    for i in range(len(t) - 1):
        if int(t[i + 1]) == max_t:
            m += ' ' + mjeseci[i]
    fout.write('{0}{1}\n'.format(t[0], m))
fout.close()
```

Zadatak 44.

```
File Edit Format Run Options Windows Help
# 07_44
fin = open('ulaz.txt', 'r')
fout = open('izlaz.txt', 'w')
retci = fin.readlines()
temperature = []
for r in retci:
    t = r.split()
    s = 0
    for i in range(len(t) - 1):
        s += int(t[i + 1])
    temperature.append([t[0], s / 12])
temp = sorted(temperature, key = lambda t : t[1], reverse = True)
for k in temp:
    fout.write('{0}\n'.format(k[0]))
fout.close()
```

Zadatak 45.

```
File Edit Format Run Options Windows Help
# 07_45
fin = open('ulaz.txt', 'r')
fout = open('izlaz.txt', 'w')
retci = fin.readlines()
slova = dict([[chr(65 + i), 0] for i in range(26)])
uk = 0
for r in retci:
    for t in r.split():
        for c in t:
            uk += 1
            slova[c] += 1
for i in range(26):
    if slova[chr(i + 65)] > 0:
        fout.write('{0} - {1:.2f}\n'.format(chr(i + 65), slova[chr(i + 65)] / uk))
fout.close()
```

Zadatak 46.

```
File Edit Format Run Options Windows Help
# 07_46
s = input()
d = dict([[chr(i), 0] for i in range(65, 91)])
for c in s:
    d[c] += 1
t = 0
for k in d.keys():
    if d[k] > 1:
        t += 1
print(t)
```

Zadatak 47.

```
File Edit Format Run Options Windows Help
# 07_47
fin = open('ulaz.txt', 'r')
fout = open('izlaz.txt', 'w')
retci = fin.readlines()
n = int(retci[0])
izbor = dict()
for i in range(n):
    izbor.update({retci[i + 1].strip() : int(retci[i + n + 1])})

izbor = sorted(izbor.items(), key = lambda t : t[1], reverse = True)

for k in izbor:
    fout.write('{0} {1}\n'.format(k[0], k[1]))
fout.close()
```

Zadatak 48.

```
File Edit Format Run Options Windows Help
# 07_48
fin = open('ulaz.txt', 'r')
fout = open('izlaz.txt', 'w')
retci = fin.readlines()
n = int(retci[0])
izbor = dict()
for i in range(n - 1):
    r = retci[i + 1].split()
    izbor.update({r[0] : r[1]})
s = set(izbor.keys()) - set(izbor.values())
t = s.pop()
izlaz = []
for i in range(len(izbor)):
    izlaz.append(t)
    t = izbor[t]
izlaz.append(t)
izlaz.reverse()
for t in izlaz:
    fout.write('{0}\n'.format(t))
fout.close()
```

Zadatak 49.

```
File Edit Format Run Options Windows Help
# 07_49
fin = open('ulaz.txt', 'r')
fout = open('izlaz.txt', 'w')
retci = fin.readlines()
for r in retci:
    p = ''
    n = 0
    for t in r.strip():
        if t == p or p == '':
            n += 1
        else:
            if n > 1:
                fout.write('{0}{1}'.format(p, n))
            else:
                fout.write('{0}'.format(p))
            n = 1
        p = t
    if n > 1:
        fout.write('{0}{1}\n'.format(p, n))
    else:
        fout.write('{0}\n'.format(p))
fout.close()
```

Zadatak 50.

```
File Edit Format Run Options Windows Help
# 07_50
fin = open('ulaz.txt', 'r')
fout = open('izlaz.txt', 'w')
retci = fin.readlines()
for r in retci:
    r = r.strip()
n, m = int(retci[0].split()[0]), int(retci[0].split()[1])
bodovi = dict()
najbolji = 0
for i in range(n):
    bodovi[retci[i + 1].strip()] = najbolji + float(retci[i + n + 1])
    if float(retci[i + n + 1]) < 0 or najbolji == 0:
        najbolji += float(retci[i + n + 1])
sbodovi = sorted(bodovi.items(), key = lambda t : t[1], reverse = True)
idu_dalje = sbodovi[n - m:]
najbolji = 0
for i in range(m):
    bodovi[idu_dalje[i][0]] = najbolji + float(retci[i + 2 * n + 1])
    if float(retci[i + 2 * n + 1]) < 0 or najbolji == 0:
        najbolji += float(retci[i + 2 * n + 1])
rang_lista = sorted(bodovi.items(), key = lambda t : t[1])
for i in range(n - m, n):
    fout.write('{0:<10} {1:8.2f}\n'.format(rang_lista[i][0], rang_lista[i][1]))
for i in range(n - m):
    fout.write('{0:<10} {1:8.2f}\n'.format(rang_lista[i][0], rang_lista[i][1]))
fout.close()
```