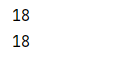
**5.1-topshiriq**

1. max ( a ,2\* b )\* max (2\* a - b , b ) qiymatini aniqlang , bunda maks ( x, y ) x, y sonlarning maksimali. Muammoni ikki yo'l bilan hal qilish mumkin:

1) max funksiyasidan foydalanmaslik ;

2) max funksiyasini aniqlash va ishlatish orqali .

a = 2  
b = 3  
S = max(a, 2 \* b) \* max(2 \* a - b, b)  
print(S)  
  
**if** a > 2 \* b **and** 2 \* a - b > b:  
 print(a \* 2 \* a - b)  
**else**:  
 print(2 \* b \* b)



**5.2-topshiriq**

**1.** Ikki natural son berilgan. Ularning qaysi birida raqamlar yig'indisi kattaroq ekanligini aniqlang. (Natural son raqamlari yig‘indisini hisoblash funksiyasini aniqlang.)

a = 31343213  
b = 4986  
  
a\_copy = a  
b\_copy = b  
  
S1 = 0  
S2 = 0  
**while** a > 0:  
 S1 += a % 10  
 a //= 10  
  
**while** b > 0:  
 S2 += b % 10  
 b //= 10  
  
**if** S1 > S2:  
 print(a\_copy)  
**else**:  
 print(b\_copy)



**def** f(n):  
 S = 0  
 **while** n > 0:  
 S += n % 10  
 n //= 10  
  
 **return** S  
print(f(1234))



**5.3-topshiriq**

1. Dastur tuzing, buning natijasida a ning qiymati b qiymatiga, c qiymati esa d qiymatiga o'zgaradi. (Ikki o'zgaruvchining qiymatlarini almashinadigan funksiya aniqlang.)
2. a = 12  
   b = 13  
   c = 14  
   d = 15  
     
   a, b, c, d = b, a, d, c  
   print(a, b, c, d)



**def** f(a, b):  
 a, b = b, a  
 **return** a, b  
  
print(a, b)

