Практическая работа 3

Задача 1

```
In [1]: first_name = 'Hello,'
        last_name = (input())
        znak = '!'
        full_name = first_name + ' ' + last_name + znak
        print(full_name.title())
```

```
Anton
Hello, Anton!
```

Задача 2

```
In [51]: n = int(input())
         print("  _~_  "*n," (o o) "*n," / V \\ "*n,"/( _ )\\"*n," ^^ ^^ "*n,sep="\n")
```

```
9

  _~_   _~_   _~_   _~_   _~_   _~_   _~_   _~_   _~_
 (o o) (o o) (o o) (o o) (o o) (o o) (o o) (o o) (o o)
 / V \ / V \ / V \ / V \ / V \ / V \ / V \ / V \ / V \
/( _ )\/( _ )\/( _ )\/( _ )\/( _ )\/( _ )\/( _ )\/( _ )\/( _ )\
 ^^ ^^  ^^ ^^  ^^ ^^  ^^ ^^  ^^ ^^  ^^ ^^  ^^ ^^  ^^ ^^  ^^ ^^
```

Задача 3

```
In [32]: N = int(input())
         K = int(input())
         print(N//K)
```

```
15
4
3
```

Задача 4

```
In [33]: N = int(input())
         K = int(input())
         print(N%K)
```

```
13
4
1
```

Задача 5

```
In [36]: N = int(input())
         print(2**N)
```

```
10
1024
```

Задача 6

```
In [46]: N = input()
         print(N[-1])

         123456
         6
```

Задача 7

```
In [53]: N = int(input())
         print(N//10)

         94
         9
```

Задача 8

```
In [56]: N = int(input())
         print(N//10)

         14
         1
```

Задача 9

```
In [66]: N = int(input())
         print(N//100+N//10%10+N%10)

         444
         12
```

Задача 10

```
In [48]: print("A"*100)

         AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
         AAAAAAAAAAAAAAAAAAAA
```

Задача 11

```
In [107]: N = int(input())
          print(N//60, N%60)

          555
          9 15
```

Задача 12

```
In [108]: A = int(input())
          B = int(input())
          N = int(input())
          M = N * (100 * A + B)
          print(M // 100, M % 100)
```

```
4
50
4
18 0
```

Задача 13

```
In [11]: A = int(input())
         print('The next number for the number ' + str( A ) + ' is '+ str( A+1)+'.')
         print('The previous number for the number '+ str( A ) +' is ' +str( A-1)+'.')
```

```
111
The next number for the number 111 is 112.
The previous number for the number 111 is 110.
```

Задача 14

```
In [17]: number = int(input())
         if number == 1:
             print(0)
         else:
             print(1)
```

```
0
1
```

Задача 15

```
In [24]: number = int(input())
         if number % 2 == 0:
             print(number+2)
         else:
             print(number+1)
```

```
111
112
```

Задача 16

```
In [35]: number = int(input())
         number_str = str(number)*100
         number_str = int(number_str) **2
         print(number_str)
```

```
1
12345679012345679012345679012345679012345679012345679012345679012345679012345 6
79012345679012345679009876543209876543209876543209876543209876543209876543209 8
765432098765432098765432098765432098765432 1
```

Задача 17

```
In [46]: v = int(input())
         t = int(input())
         together = v * t
         if 109>=together:

             if together < 0:
                 print(together * (-1)-109)
             else:
                 print(together)
         else:
             print(together-109)
```

```
30
3
90
```

Задача 18

```
In [116]: passed = int(input())
          if passed <86400:
              h = passed//3600
              mm = passed//60
              if mm >= 60:
                  mm = mm%60
              else:
                  mm = mm

              if mm<10:
                  str(mm)
                  mm='0'+str(mm)
              else:
                  mm=mm

              ss = passed%60

              if ss<10:
                  str(ss)
                  ss='0'+str(ss)
              else:
                  ss=ss


              print(h,':',mm,':',ss)


          else:
              h = (passed%86400)//3600
              mm = passed//60
              if mm >= 60:
                  mm = mm%60
              else:
                  mm = mm

                  if mm<10:
                      str(mm)
                      mm='0'+str(mm)
                  else:
                      mm=mm

              ss = (passed%86400)%60
              if ss<10:
                  str(ss)
                  ss='0'+str(ss)
              else:
                      ss=ss

              print(h,':',mm,':',ss)
          3601
          1 : 00 : 01
```

Задача 19

```
In [119]: h1=int(input())
          mm1=int(input())
          ss1=int(input())
          h2=int(input())
          mm2=int(input())
          ss2=int(input())
          h3=h2-h1
          mm3=mm2-mm1
          ss3=ss2-ss1
          D=(h3*3600)+(mm3*60)+ss3
          print(D)
```

```
1
1
1
2
2
2
3661
```

Задача 20

```
In [132]: N = int(input())
          M = int(input())
          D = M//N
          if M%N > 0:
              D=D+1
          else:
              D=D


          print(D)
```

```
700
750
2
```

Задача 21

```
In [134]: H = int(input())
          A = int(input())
          B = int(input())
          D = H - B
          print(D)
```

```
10
3
2
8
```

Задача 22

```
In [162]: number = int(input())
          n1 = number // 1000
          n2 = number // 100 % 10
          n3 = number // 10 - n1 * 100 - n2 * 10
          n4 = number % 10
          S1 = (n1 - n4) ** 2
          S2 = (n2 - n3) ** 2
          print(S1 + S2 + 1)

          0110
          1
```

Задача 23

```
In [167]: a = int(input())
          b = int(input())
          print(((((a // b) * a) + ((b // a) * b)) // ((a // b) + (b // a)))

          5
          3
          5
```

Задача 24

```
In [171]: a = int(input())
          b = int(input())
          print('YES' * int(a % b == 0) or 'NO' * int(a % b != 0))

          10
          6
          NO
```