

Практическая работа 3

Задача 1

```
In [3]: string = str(input())
        print("Hello, {}!".format(string))
```

```
Harry
Hello, Harry!
```

Задача 2

```
In [4]: n = int(input())
        print(" _~_  "*n, " (o o)  "*n, " / v \\\  "*n, "/( _ )\\  "*n, " ^^ ^^  "*n, sep=
        "\n")
```

```
3
  ~  ~  ~
(o o) (o o) (o o)
 / v \ / v \ / v \
/( _ )\ /( _ )\ /( _ )\
 ^^ ^^ ^^ ^^ ^^ ^^
```

Задача 3

```
In [2]: N=int(input())
        K=int(input())
        print(K//N)
```

```
3
14
4
```

Задача 4

```
In [3]: N=int(input())
        K=int(input())
        print(K%N)
```

```
3
14
2
```

Задача 5

```
In [4]: N=int(input())
        print(2**N)
```

```
2
4
```

Задача 6

```
In [1]: N=int(input())  
print(N%10)
```

```
192  
2
```

Задача 7

```
In [2]: N=int(input())  
print(N//10)
```

```
42  
4
```

Задача 8

```
In [4]: N=int(input())  
N%=100  
print(N//10)
```

```
73  
7
```

Задача 9

```
In [5]: N=int(input())  
summa=N%10  
N=N//10  
summa+=N%10  
N=N//10  
summa+=N  
print(summa)
```

```
179  
17
```

Задача 10

```
In [3]: print('A'*100)
```

```
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA  
AAAAAAAAAAAAAAAAAAAAAAAAAAAA
```

Задача 11

```
In [16]: N=int(input())
c=N//(24*60)
N-=(N*c)
hour=N//60
minut=N%60
print(hour, minut)
```

```
150
2 30
```

Задача 12

```
In [4]: A=int(input())
B=int(input())
N=int(input())
A=(A*N)+(B*N)//100
B=(B*N)%100
print(A,B)
```

```
2
50
4
10 0
```

Задача 13

```
In [7]: N=int(input())
next=N+1
prev=N-1
print("The next number for the number {0} is {1}".format(N,next))
print("The previous number for the number {0} is {1}".format(N,prev))
```

```
179
The next number for the number 179 is 180
The previous number for the number 179 is 178
```

Задача 14

```
In [8]: N=int(input())
print((N+1)%2)
```

```
1
0
```

Задача 15

```
In [13]: N=int(input())
B=N+2
C=B-(N%2)
print(C)
```

```
9
10
```

Задача 16

```
In [15]: N=str(input())
N=str(N*100)
C=int(N)
print(C**2)
```

```
0
0
```

Задача 17

```
In [18]: v=int(input())
t=int(input())
s=(v*t)
if v>0:
    print(s%109)
else:
    print(109-(s%109))
```

```
60
2
11
```

Задача 18

```
In [34]: N=int(input())
hour=N//((60*60))
minute=(N-(hour*(60**2)))/60
second=N-(hour*(60**2))-(minute*60)
if minute<10 :
    minute='0'+ str(minute)
if second<10 :
    second='0'+ str(second)
hour=str(hour)
minute=str(minute)
second=str(second)
print("{0}:{1}:{2}".format(hour,minute,second))
```

```
3602
1:00:02
```

Задача 19

```
In [35]: h1=int(input())
m1=int(input())
s1=int(input())
h2=int(input())
m2=int(input())
s2=int(input())
s1+=h1*(60**2)+m1*60
s2+=h2*(60**2)+m2*60
print(s2-s1)
```

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

Задача 20

```
In [36]: N=int(input())
M=int(input())
if M%N!=0 :
    print((M//N)+1)
else :
    print(M//N)
```

```
700
750
2
```

Задача 21

```
In [38]: H=int(input())
A=int(input())
B=int(input())
C=A
count=1
while H>C:
    C=C-B+A
    count+=1
print(count)
```

```
10
3
2
8
```

Задача 22

```
In [39]: N=int(input())
n1=N//1000
n2=N//100%10
n3=(N//10)-(n1*100)-(n2*10)
n4=N%10
sum1=n1-n4
sum2=n2-n3
print(1+sum1+sum2)
```

2002

1

Задача 23

```
In [46]: A=int(input())
B=int(input())
C=((A-B)**2)**.5
print(int((A+B+C)/2))
```

8

5

8

Задача 24

```
In [74]: A=int(input())
B=int(input())
print('YES'*((A//B-A%B)//(A//B)), 'NO'*((((A%B)+2)//((A%B)+1))%2))
```

10

5

YES