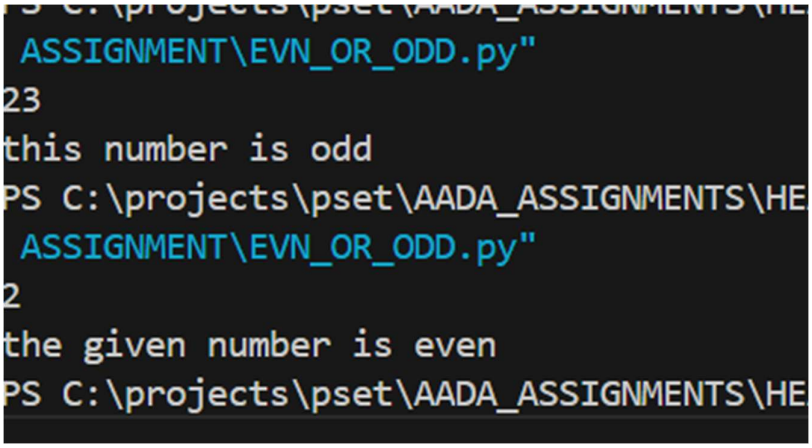
Q1 to determin the number is even or odd

Input

```
a=int(input())
if(a%2==0):
   print('the given number is even')
else:
   print("this number is odd")
```

output

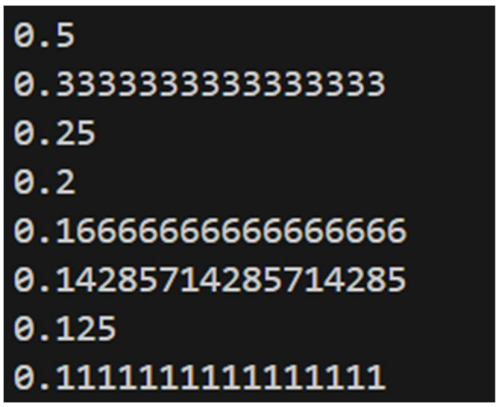


Q2 to print out the decimal equivalents

Input

```
a=1
for i in range (2,10):
   print(a/i,end="\n")
```

output

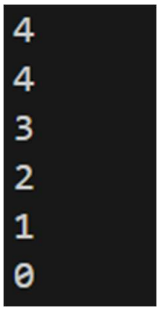


Q3 to print while loop in numbers

Input

```
a=int(input())
while(a>=0):
    print(a)
    a=a-1
```

OUTPUT

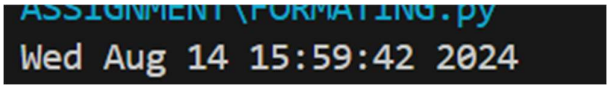


Q4 to print the given format

Input

```
import datetime
now=datetime.datetime.now()
dt_string = now.strftime(" %c")
print(dt_string)
```

OUTPUT



Q5 TO FIND THE LARGEST NUMBER

INPUT

```
a=int(input())
b=int(input())
c=int(input())
d=max(a,b,c)
print(" the maximum number between the three numbers is ",d)
```

OUTPUT

```
4
9
3
 the maximum number between the three numbers is 9
```

Q6 to convert temp to celcsius,farhei

Input

```
a=float(input())
l=((a-32)*5)/9
h=((9*a)/5)+32
print("if given in fareh press 1","else give 2")
t=int(input())
if(t==1):
   print("the temp is ",h)
else:
   print("the temp is ",l)
```

```
1
the temp is  110.372
PS C:\projects\pset\AADA_ASSIGNMENT
 ASSIGNMENT\CONVERSION_FAR.py"
34.76
if given in fareh press 1 else give
2
the temp is  1.5333333333333323
```

Q7 to find prime less than 20

INPUT

```
for number in range (1, 21):
   if number > 1:
      for i in range (2, number):
         if (number % i) == 0:
            break
      else:
         print (number)
```

```
2
3
5
7
11
13
17
19
```

Q8 to three sides as input

INPUT

```
a=int(input())
b=int(input())
c=int(input())
if((pow(a,2)==pow(b,2)+pow(c,2))|(pow(b,2)==pow(a,2)+pow(c,2))|(pow(c,2)==pow(a,2)+pow(b,2))):
    print("it is a pythogerus triangle")
else:
    print("NO")
```

output

```
3
4
5
it is a pythogerus triangle
```

Q9 to print the best average value

Input

```
print("enter the test1")
a=int(input())
print("enter the test2")
b=int(input())
print("enter the test3")
c=int(input())
```

```
t=(a+b)/2
h=(b+c)/2
f=(a+c)/2
d=max(t,h,f)
print("the max marks",d)
```

OUTPUT

```
enter the test1
45
enter the test2
39
enter the test3
48
46.5
```

Q10

To find the word is palindrome or not

```
u=(input())
t=u[::-1]
if(u==t):
    print("it is palindrome")
else:
    print("NOT palindrome")
for ch in u:
    print(ch,"appears",str(u.count(ch)),"times")
```

OUTPUT

```
123255
NOT palindrome
1 appears 1 times
2 appears 2 times
3 appears 1 times
2 appears 2 times
5 appears 2 times
5 appears 2 times
```

Q11 to write lowercase

INPUT

```
a=input()
lower=0
upper=0
digi=0
word=0
alpha=0
t=len(a.split())
for ch in a:
   if(ch.islower()):
      lower+=1
   if(ch.isupper()):
      upper+=1
   if(ch.isalpha()):
      alpha+=1
print("the lowwer",str(lower),"the upper",str(upper),"the digit",str(len(a)-alpha),"the words",str(t))
```

ouput