In [1]:
```python
#1) Write a Python program that prints all the numbers from 0 to 6 except 3 an

for num in range(7):
    if num != 3 and num != 6:
        print(num)
```

```
0
1
2
4
5
```

In [7]:
```python
#2) Write a program to accept a number from a user and calculate the sum of al

x=int(input("Enter a number "))
s=0
for x in range(1,x+1):
    s+=x
print(s)
```

```
Enter a number 20
210
```

In [9]:
```python
#3) Write a program to print multiplication table of a given number(input)

table=int(input("enter the number for table "))
value=int(input("how many values "))
for x in range(1,value+1):
    print("{}*{}={}".format(table,x,table*x))
```

```
enter the number for table 5
how many values 5
5*1=5
5*2=10
5*3=15
5*4=20
5*5=25
```

In [10]:
```python
#4) Write a program to count the total number of digits in a number using a wh

x=input("enter a number")
y=0
while y<len(x):
    y+=1
print(y)
```

```
enter a number5125
4
```

In [11]:
```python
#6) Write a Python program which iterates the integers from 1 to 60.
#For multiples of three print "Fizz" instead of the number and for the multipl
#For numbers which are multiples of both three and five print "FizzBuzz".

for x in range(1,61):
    if x%3==0 and x%5==0:
        print("FizzBuzz")
    elif x%3==0:
        print("Fizz")
    elif x%5==0:
        print("Buzz")
    else:
        print(x)
```

```
1
2
Fizz
4
Buzz
Fizz
7
8
Fizz
Buzz
11
Fizz
13
14
FizzBuzz
16
17
Fizz
19
Buzz
Fizz
22
23
Fizz
Buzz
26
Fizz
28
29
FizzBuzz
31
32
Fizz
34
Buzz
Fizz
37
38
Fizz
Buzz
41
Fizz
43
44
FizzBuzz
46
47
Fizz
49
Buzz
Fizz
52
53
Fizz
Buzz
56
Fizz
```

```
58
59
FizzBuzz
```

In [4]:
```python
##7. Write a Python program that accepts a string and calculate the number of
#Example: Input Python 3.2 Output Letters 6 Digits 2

y=input("Enter a string ")
a=b=0
for x in range(0,len(y)):
    if y[x].isalpha():
        a+=1
    elif y[x].isdigit():
        b+=1
    else:
        continue
print("Letters "+str(a)+"\nDigits "+str(b))
```

```
Enter a string sairam12
Letters 6
Digits 2
```

In [3]:
```python
#8) Write a Python program to check the validity of password input by users.Va
# and 1 letter between [A-Z]. At least 1 number between [0-9].  At least 1 cha
#  Maximum length 16 characters.
x=input("enter a password ")
for y in range(0,len(x)):
    if x[y].islower() and x[y].isupper() and x[y].isdigit() and x[y]=="$" or x
        a+=1
    else:
        break
if 6<=len(x)<=16:
    print("valid password")
else:
    print("invalid password")
```

```
enter a password saiRam12@
valid password
```

In [5]:
```python
#9) Write a program in Python to reverse a word by using while loop
x=input("enter a word ")
b=""
y=1
while y<len(x)+1:
    b+=x[-y]
    y+=1
print(b)
```

```
enter a word teja
ajet
```

In [6]:
```python
#10) Write a program which takes 10 integers as input using loop and print the

s=0
for x in range(0,10):
    y=int(input("Enter an integer  "))
    s+=y
print("Average  "+str(s/10))
```

```
Enter an integer  5
Enter an integer  6
Enter an integer  1
Enter an integer  2
Enter an integer  9
Enter an integer  6
Enter an integer  4
Enter an integer  9
Enter an integer  4
Enter an integer  5
Average  5.1
```

In [7]:
```python
#11) Write a program which takes integer inputs from user until he/she presses
#    input). Print average and product of all numbers.
s=0;x="";p=1
while not(x=="q" or x=="Q"):
    y=int(input("Enter a number "))
    s+=y
    p*=y
    x=input("Press q to quit ")
print("Sum is "+str(s)+"\nProduct is "+str(p))
```

```
Enter a number 5
Press q to quit q
Sum is 5
Product is 5
```

In [8]:
```python
#12) Write a Python program which will remove all digits or any other characte
#    Example:  Input:  "asd12.asd22" Output:  'asdasd'
x=input("Enter a string ")
a=""
for y in range(0,len(x)):
    if x[y].isalpha():
        a+=x[y]
    else:
        continue
print(a)
```

```
Enter a string s@airam12
sairam
```

In [10]:
```python
#13) Write a python program to find the sum of all even numbers from 0 to 10
sum1=0
for y in range(0,11):
    if y%2==0:
        sum1=sum1+y
    else:
        continue
print(sum1)
```

```
30
```

In [12]:
```python
#14) Write a python program which will accept a digit and print All the number
#    Input:  5 Output: 4 3 2 1 0
x=int(input("enter a digit:"))
for z in range(x-1,-1,-1):
    print(z)
```

```
enter a digit:5
4
3
2
1
0
```

In [ ]: