

QUESTION 1:

FIND SUM OF N NUMBERS USING WHILE LOOPS

```
In [5]: n=10
sum=0
while(n>=0):
    sum=sum+n
    n-=1
    print("n--->",sum)
```

```
n---> 10
n---> 19
n---> 27
n---> 34
n---> 40
n---> 45
n---> 49
n---> 52
n---> 54
n---> 55
n---> 55
```

QUESTION 2:

TAKE AN INTEGER AND FIND ITS PRIME OR NOT

```
In [4]: num=43
num=int(input("enter a number"))
if num>1:
    for i in range(2,num):
        if(num%i)== 0:
            print(num,"is not a prime number")
            break
        else:
            print(num,"is a prime number")
```

```
enter a number38
38 is not a prime number
```

```
In [7]: num=3
num=int(input("enter a number"))
if num>1:
    for i in range(2,num):
        if(num%i)== 0:
            print(num,"is not a prime number")
            break
        else:
            print(num,"is a prime number")
```

```
enter a number3
3 is a prime number
```

```
In [ ]:
```