In [1]:
```
Module-2 Python Assignment-2

1:Write a python function to find the max of three numbers

def maxofthree():
    a=int(input("Enter value of a:"))
    b=int(input("Enter value of b:"))
    c=int(input("Enter value of c:"))
    if a>b and a>c:
        print("a is greater")
    elif b>a and b>c:
        print("b is greater")
    else:
        print("c is greater")
maxofthree()
```

```
Enter value of a:10
Enter value of b:20
Enter value of c:30
c is greater
```

In [2]:
```
2:Write a python program to reverse a string

def revstring():
    s=input("Enter a string:")
    str=""
    for i in s:
        str=i+str
    print("Original string:",s)
    print("Reversed string:",str)
revstring()
```

```
Enter a string:mohammadvali
Original string: mohammadvali
Reversed string: ilavdammahom
```

In [3]:
```
3:Write a python function to check wheather a number is prime or not

def prime():
    n=int(input("Enter a number to check prime or not:"))
    i=2
    count=0
    while i<=n//2:
        if n%i==0:
            count+=1
        i+=1
    if count>0:
         print("Entered number is not a prime number")
    else:
        print("Entered number is prime number")
prime()
```

```
Enter a number to check prime ot not:7
Entered number is prime number
```

In [4]:
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4:Use try,except,else and finally block to check weather a number is palindrome or not

import sys
try:
    n=int(input("Enter a number:"))
except ValueError:
    print("Oops!",sys.exc_info()[0],"occured")
else:
    rev=0
    temp=n
    print("Entered number:",n)
    while n!=0:
        rev=(rev*10)+(n%10)
        n//=10
    print("Reveresed number:",rev)
    if temp==rev:
        print("Entered number is palindrome")
    else:
        print("Entered number is not palindrome")
```

```
Enter a number:1234321
Entered number: 1234321
Reveresed number: 1234321
Entered number is palindrome
```

In [5]:
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5:Write a python function to find the sum of squares of first n natural numbers


def sumofsquares():
    n=int(input("Enter a number:"))
    i=1
    sum=0
    while i<=n:
        sum=sum+(i**2)
        i+=1
    print("Sum of squares of",n,"natural numbers:",sum)
sumofsquares()
```

```
Enter a number:3
Sum of squares of 3 natural numbers: 14
```

In [ ]:
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