```python
In [9]:  #1.Write a Python function to find the Max of three numbers
         def max_num(x, y, z):
          if(x>y):
              l=x
          else:
              l=y
          if l>c:
              print('largest among all is = ',l)
          else:
              print('largest among all is = ',c)
         a=float(input('enter a '))
         b=float(input('enter b '))
         c=float(input('enter c '))
         max_num(a, b, c,)

         enter a 2
         enter b 5
         enter c 1
         largest among all is =  5.0
```

```python
In [3]:  #2.Write a Python program to reverse a string.
         s=input('enter the string : ')
         r=s[::-1]
         print('reverse of ',s,' is : ',r)

         enter the string : aasritha
         reverse of  aasritha  is :  ahtirsaa
```

```python
In [5]:  #3.Write a Python function to check whether the number is prime or not.
         def prime_num(a):
             i,c=2,0
             while i<a:
                 if(a%i==0):
                  c+=1
                 i+=1
             if(c==0):
                 print(a,' is a prime number')
             else:
                 print(a,' is not a prime number')
         x=int(input('enter a number : '))
         prime_num(x)

         enter a number : 5
         5  is a prime number
```

```python
In [20]: #4.Use try, except, else and finally block to check whether the number is palindrome or not
         s=int(input('enter a number: '))
         m=s
         rev=0
         try:
             while s>0:
                 r=s%10
                 rev=(rev*10)+r
                 s=s//10

             if(m==rev):
                 print('its a palindrom')
             else:
                 print('its not a palindrom')
         except :
             print('nthg to do')
         else:
             print('checked ')
         finally:
             print('ended')

         enter a number: 121
         its a palindrom
         checked
         ended
```

```python
In [23]: #5.Write a python function to find sum of squares of first n natural numbers
         def square(n):
             sum=(n*(n+1)*((2*n)+1))/6
             print('sum= ',sum)
         num=int(input('enter the range '))
         square(num)

         enter the range 12
         sum=  650.0
```

```python
In [ ]:
```