

In [1]: *#1. Write a Python function to find the Max of three numbers*

```
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("highest value is a")
elif b>=a and b>=c:
    print("highest value is b")
else:
    print("highest value is c")
```

```
enter value of a: 3
enter value of b: 54
enter value of c: 32
highest value is b
```

In [2]: *#2. Write a Python program to reverse a string.*

```
a=str(input("enter a string: "))
b=a[::-1]
print("reverse string is: ",b)
```

```
enter a string: python
reverse string is: nohtyp
```

In [7]: *# 3. program to check the given number is prime or not*

```
n=int(input("enter a number: "))

if n>1:
    for i in range(2,n):
        if(n%i)==0:
            print(n,"is not prime")
            break
    else:
        print(n,"is prime")
else:
    print(n,"is not prime")
```

```
enter a number: 11
11 is prime
```

In [12]: *# 4. program to find palindrome(number) using try except finally*

```
try:
    n=int(input("enter a number: "))
except:
    print("enter valid input of integer type")
else:
    temp=n
    rev=0
    while(n>0):
        digit=n%10
        rev=rev*10+digit
        n=n//10
    if rev==temp:
        print(rev," is palindrome")
    else:
        print(rev,"is not palindrom")
finally:
    print("done")
```

```
enter a number: 2456542
2456542 is palindrome
done
```

In [3]: *#5. Write a python function to find sum of squares of first n natural numbers*

```
n=int(input("enter n value: "))
t,s=0,0
for i in range(1,n+1):
    s=i*i
    t=t+s
    i=i+1
print("the sum of squares of first n natural numbers are: ",t)
```

```
enter n value: 4
the sum of squares of first n natural numbers are: 30
```

In []: