Assignment-2

1. Max of three numbers:

```
def mx(num1, num2, num3):
if (num1 >= num2) and (num1 >= num3):
largest = num1
elif (num2 >= num1) and (num2 >= num3):
largest = num2
else:
largest = num3
return largest
if __name__ == "__main__":
num1 = float(input("Enter the value of num1 :- "))
num2 = float(input("Enter the value of num2 :-"))
num3 = float(input("Enter the value of num3 :-"))
maxi = mx(num1, num2, num3)
print("The largest of {}, {}, {} is :- {}".format(num1, num2, num3, maxi)).
```

2. Reverse String:-

```
text = input("Enter a text: ")
print(text[::-1])
```

5. Squares of first 'n' natural numbers:

```
n = int(input("Enter a number: "))
sm = 0
for i in range(n+1):
sq = i**2
sm = sm + sq
sq = 0
print("Sum of the squares of numbers till {} is {}".format(n, sm))
```

3. prime no (or) not

```
def prime(num):
if num >1
for i in range (2,num):
if (num %i) ==0:
print (num, "is not a prime numbes")
break
else:
print (num, "is a prime numbes")
if- name- == "- main-":
n = int(input ("Enter a numbes:"))
prime (n).
```

4. palindrome (or) not:

```
try:
num = int(input("Enter a numbes :"))
if not type (num) is int:
raise TypeError ("Only int is allowed")
temp = num
rev = 0
while(num>0):
dig = num%10
rev = rev *10 +dig
num=num//10
if (temp == rw):
print (" The number is palindrome! ")
else:
print (" Not a palindrome! ")
except:
print( "An exception occurred !!! your input isn't proper
```

else

```
else:
print ("Nothing went wrong")
finally:
print("you have executed this program").
```