Python Assignment Day - 4

Sandhya.P
321910302023

```
num1 = float(input("Enter first number: "))
num2 = float(input("Enter second number:
"))
num3 = float(input("Enter third number: "))

if (num1 > num2) and (num1 > num3):
   largest = num1
elif (num2 > num1) and (num2 > num3):
   largest = num2
else:
   largest = num3

print("The maximum number is",largest)
```

Program to find max of three numbers.

```
Enter first number: 4
Enter second number: 6
Enter third number: 8
The maximum number is 8.0

[Program finished]
```

```
1  def reverse(s):
2    str = ""
3    for i in s:
4      str = i + str
5    return str
6  s = "Gitam"
7  print ("The original string  is : ",end="")
8  print (s)
9  print ("The reversed string is : ",end="")
10 print (reverse(s))
```

Program to reverse a string.

```
The original string  is : Gitam
The reversed string is : matiG

[Program finished]
```

```
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")
else:
            print(num,"is not a prime number")
```

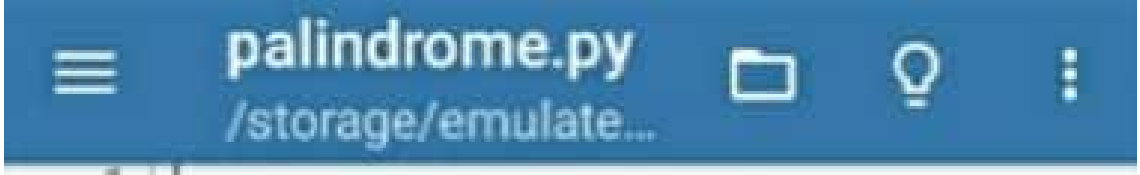
Program to check whether the number is prime number or not .

```
enter a number:2
2 is a prime number

[Program finished]
```

```
1 def squaresum(n):
2     m = 0
3     for i in range(1, n+1) :
4         m = m + (i * i)
5     return m
6 n = 2
7 print(squaresum(n))
```

Program to find sum of squares of first n natural numbers.

```
5

[Program finished]
```




```
1
2  def isPalindrome(word):
3      if len(word) < 1:
4          return True
5      else:
6          if word[0] == word[-1]:
7              return isPalindrome(word[i:-1])
8          else:
9              return False
10
11 def fileInput(filename):
12     palindromes = False
13     fh = open(filename, "r")
14     length = input("Enter length of
   palindromes:")
15     d = int(length)
16     try:
17         for line in fh:
18             for s in str(len(line)):
19                 if isPalindrome(line.strip()):
20                     palindromes = True
21                     if (len(line.strip()) == d):
22                         print(line.strip())
23     except:
24         print("No palindromes found for
   length entered.")
25     finally:
26         fh.close()
27
```

use try,except,else and finally block to check whether it is palindrome or not.