**Assignment - 6 Full Stack Web Development using Python MySirG Decision Control**

1. Write a python script to check whether a given number is positive or non-positive

x=int(input("enter numner"))

if x>0:

print("number is positive")

else:

print("number is nonposotive ")

2. Write a python script to check whether a given number is divisible by 5 or not

x=int(input("enter numner"))

if x%5==0:

print("number is divisible by 5")

else:

print("number is not divisible by 5")

3.Write a python script to check whether a given number is even or odd

x=int(input("enter numner"))

if x%2==0:

print("number is even")

else:

print("number is odd ")

4.Write a python script to print greater between two numbers. Print number only once even if the numbers are the same.

print("enter two words")

a,b=input(),input()

print(b,a if a>b else a,b)

5. Write a python script to print two given words in dictionary order

print("enter two words")

a,b=input(),input()

print(b,a if a>b else a,b)

6. Write a python script to check whether a given number is a three digit number or not.

x=int(input("enter a number"))

if 99<x<1000:

print("three digit number")

else:

print("not a three digit number")

7. Write a python script to check whether a given number is positive, negative or zero.

x=int(input("enter a number"))

if x>0:

print("positive number")

elif x<0:

print("negative number")

else:

print("zero number")

8. Write a python script to check whether a given quadratic equation has two real & distinct roots, real & equal roots or imaginary roots

 print("enter value of a,b and c of a quadratic equation:")

a,b,c=int(input()),int(input()),int(input())

d=b\*\*2-4\*a\*c

if d>0:

print("real and distnict roots")

elif d==0:

print("real and equal roots")

else:

print("imaginary roots")

9. Write a python script to check whether a given year is a leap year or not.

print("enter year number")

year=int(input())

if year%400==0 or year%100!=0 and year%4==0:

print("leap year")

else:

print("not leap year")

10. Write a python script to print greater among three numbers. Print number only once even if the numbers are the same.

11. Write a python script to take the month value in numeric format and display the number of days in it.

month=int(input("enter month number"))

if month in (1,3,5,7,8,10,12):

print("31 days")

elif month in(4,6,9,11):

print("30 days")

elif month==2:

print("28 or 29 days")

else:

print("invalid month number")

12. Write a python script to accept one complex number from the user and display the greater number between real part and imaginary part