Assignment 6

Decision Control

1. Write a python script to checket wheather a given number is positive or non positive.

num = float (input ("Inter a num ber: (1")) print (The number a pocitive) if numbo else print (The number

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

num = flocit (input ("Enter a number: \t"))

pritat (17t is divisible by 5') if num 1.5 == 0 else print (11t is not divisible by 3. Write a python script to check wheather a given number is even or odd.

nom : float (input ('Enter a number: (t"))

print ('It is odd') if num 1,2 1=0 else print ('It is even') 4. Write a python script to print greater between two are the some.

The number only once even if the number of th

=> print ("Ender two numbers")

" y = float (input()), float (input())

: KIR Ti elif you: the greatest number is, n)

print ('The greatest number 13', y)

Print (f"The number {x} is some)

5. Write a python script to print two given words in dictionary order. Print ('Enter two word!') x, y = str(input()), str(input()) 6. Write a python script to check whether a given number is a three digit number or not. num = int(input('Enter a number:))

print('This is a 3 digit number') if (num) 99 amd num(1000) else

meint('This is not a 3 digit number') print ('This is not a 3 digit numbe') 7. Write a python script to check whether a given number is positive, negative or zero. num = float (int ('Enter a number:')) print ('The number is positive') elif num (o; print ('The number is negative') print ('7his is zero') 8. Write a python script to check wheather a given quadritic equation has two real and distinct roots, really equal roots or imaginary roots. a, b, c = float (input/ Ententhe value of a, b, c of a quadritie equation)), float (input()), float (input()) discriment = (6**2)-4+axc it discriment >0: real and distinct root) print ("The equation has two elistine discrimen (0:

print ('The equation has imaginary root')

else:
print (The equation has neal and equal noof) Jear is a leap year or a not. => year= int (imput ('Enter a year:')) if (year 1,400 == 0 and year 1, 100 == 0) or (year 1,4== 0 and year 1,100) print ('This is a leap years') else:

print (This is not a leap years) 10. Write a python script to print greater among three numbers. Print number only once even if the numbers are this same. numbers are the same: n1, n2, n3 = flocit (input (Enter three number)), float (input ()), float (input () if n1>n2. if n1 > n3:

print ('The greatest number is', n1) else:
print (The greatest number is; n3) elit n2>n3: print (The greatest number is: n2) else: Print (The greatest number is: n3) 11. Write a python script to take the month values in numeric format and display the number of days in it. m= int(input('Enter month number: |n')) if myo and m <= 7 and m 1/2 != 0: print ('The number of days is 31') elif m)7 and m/=12 and m/22==0: print (The number of days is 31) eke:

print (the number of days is 30')

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

=>

cn = complex (input ('Enter the complex number: In'))

if en. real > cn. imag:

print ('the greater number is', en. real)

else:

print ('The greater number is', cn. imaginary)