1. Write a Python Program to Find LCM?

Ans.

def compute\_lcm(x, y):

if x > y:

greater = x

else:

greater = y

while(True):

if((greater % x == 0) and (greater % y == 0)):

lcm = greater

break

greater += 1

return lcm

num1 = 25

num2 = 50

print("The L.C.M. is", compute\_lcm(num1, num2))

OUTPUT:

The L.C.M. is 50

1. Write a Python Program to Find HCF?

Ans.

def compute\_hcf(x, y):

if x > y:

greater = x

else:

greater = y

while(True):

if((greater % x == 0) and (greater % y == 0)):

hcf = greater

break

greater += 1

return hcf

num1 = 25

num2 = 50

print("The H.C.F. is", compute\_hcf(num1, num2))

OUTPUT:

The H.C.F. is 50

1. Write a Python Program to Convert Decimal to Binary, Octal and Hexadecimal?

Ans.

dec = 25

print("The decimal value of", dec, "is:")

print(bin(dec), "in binary.")

print(oct(dec), "in octal.")

print(hex(dec), "in hexadecimal.")

OUTPUT:

The decimal value of 25 is:

0b11001 in binary.

0o31 in octal.

0x19 in hexadecimal.

1. Write a Python Program To Find ASCII value of a character?

Ans.

c = 'k'

print("The ASCII value of '" + c + "' is", ord(c))

OUTPUT:

The ASCII value of 'k' is 107

1. Write a Python Program to Make a Simple Calculator with 4 basic mathematical operations?

Ans.

def add(x, y):

return x + y

def subtract(x, y):

return x - y

def multiply(x, y):

return x \* y

def divide(x, y):

return x / y

print("Select operation.")

print("1.Add")

print("2.Subtract")

print("3.Multiply")

print("4.Divide")

while True:

choice = input("Enter choice(1/2/3/4): ")

if choice in ('1', '2', '3', '4'):

num1 = float(input("Enter first number: "))

num2 = float(input("Enter second number: "))

if choice == '1':

print(num1, "+", num2, "=", add(num1, num2))

elif choice == '2':

print(num1, "-", num2, "=", subtract(num1, num2))

elif choice == '3':

print(num1, "\*", num2, "=", multiply(num1, num2))

elif choice == '4':

print(num1, "/", num2, "=", divide(num1, num2))

next\_calculation = input("Let's do next calculation? (yes/no): ")

if next\_calculation == "no":

break

else:

print("Invalid Input")

OUTPUT:

C:\Users\INV90565\anaconda3\envs\test\python.exe C:/Users/INV90565/PycharmProjects/test/VikasPyCharm/June5Task\_Answers/ROUGH.py

Select operation.

1.Add

2.Subtract

3.Multiply

4.Divide

Enter choice(1/2/3/4): 1

Enter first number: 5

Enter second number: 10

5.0 + 10.0 = 15.0

Let's do next calculation? (yes/no): yes

Enter choice(1/2/3/4): 2

Enter first number: 5

Enter second number: 10

5.0 - 10.0 = -5.0

Let's do next calculation? (yes/no): yes

Enter choice(1/2/3/4): 3

Enter first number: 5

Enter second number: 10

5.0 \* 10.0 = 50.0

Let's do next calculation? (yes/no): yes

Enter choice(1/2/3/4): 4

Enter first number: 5

Enter second number: 10

5.0 / 10.0 = 0.5

Let's do next calculation? (yes/no):