1. **Write a Python Program to Find LCM?**

def lcm(num1,num2):

lcm\_count=1

for x in range(2,num1+1):

while num1 % x == 0 and num2 % x == 0:

num1=num1//x

num2=num2//x

lcm\_count=lcm\_count\*x

else:

lcm\_count=lcm\_count\*num2\*num1

print("lcm is", lcm\_count)

def takeInput():

num1=int(input("enter num1 : "))

num2=int(input("enter num2 : "))

lcm(num1,num2)

if \_\_name\_\_=='\_\_main\_\_':

takeInput()

1. **Write a Python Program to Find HCF?**

def hcf(num1,num2):

if num1>num2:

smaller= num2

else:

smaller=num1

for i in range(1,smaller+1):

if((num1%i == 0) and (num2%i==0)):

hcf=i

print("HCF of 2 given numbers is : ",hcf)

def takeInput():

num1=int(input("enter num1 : "))

num2=int(input("enter num2 : "))

hcf(num1,num2)

if \_\_name\_\_=='\_\_main\_\_':

takeInput()

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

def takeInput():

num=int(input("enter decimal : "))

print(" 1 . To Binary \n 2 . To Octal \n 3 . To HexaDecimal \n")

option=int(input("enter your option : "))

if option ==1:

print(bin(num).replace("0b", ""))

if option == 2:

print(oct(num).replace("0o",""))

if option == 3:

print(hex(num).replace("0x",""))

if \_\_name\_\_=='\_\_main\_\_':

takeInput()

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

char=input('enter any charecter to find ascii : ')

if len(char)==1:

print("ASCII is : ",ord(char))

else:

print("please enter a single charecter")

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

def addition(num1,num2):

print("addition is : ",num1+num2)

def subtraction(num1,num2):

print("substraction is : ", num1-num2)

def multiply(num1,num2):

print("multiplication is : ",num1\*num2)

def division(num1,num2):

print("division is : ", num1//num2)

def takeInput():

num1=int(input("enter first num : "))

num2=int(input("enter second num : "))

print(" 1 . Additon \n 2 .Subtraction \n 3 . Multiply \n 4. Division \n")

option=int(input("enter your option : "))

if option ==1:

addition(num1,num2)

elif option == 2:

subtraction(num1,num2)

elif option == 3:

multiply(num1,num2)

elif option == 4:

division(num1,num2)

else:

print("Invalid option")

if \_\_name\_\_=='\_\_main\_\_':

takeInput()