1. Write a Python Program to Find LCM?
2. Write a Python Program to Find HCF?
3. Write a Python Program to Convert Decimal to Binary, Octal and Hexadecimal?
4. Write a Python Program To Find ASCII value of a character?
5. Write a Python Program to Make a Simple Calculator with 4 basic mathematical operations?
6. **Write a Python Program to Find LCM?**

**Sol:**

def find\_lcm(num1,num2):

greater = num1

if num1<num2:

greater = num2

while(True):

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

return greater

greater = greater+1

number1 = int(input())

number2 = int(input())

print(find\_lcm(number1, number2))

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

**Sol:**

def find\_hcf(num1,num2):

smaller = num1

if num1>num2:

smaller = num2

i = 1

while(i<=smaller):

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

hcf = i

i = i+1

return hcf

number1 = int(input())

number2 = int(input())

print(find\_hcf(number1, number2))

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

**Sol:**

1. **Decimal to Binary**

def decimal\_Binary(num):

if(num>1):

decimal\_Binary(num//2)

print(num%2, end = '')

decimal\_Binary(int(input()))

1. **Decimal to Octal**

def decimal\_Octal(num):

if(num>1):

decimal\_Octal(num//8)

print(num%8, end ='')

decimal\_Octal(int(input()))

1. **Decimal to Hexadecimal**

def decimal\_Hexadecimal(num):

stri = ""

while(num>1):

remainder = num %16

if remainder < 10:

stri = str(remainder)+stri

else:

stri = chr(ord("A")+remainder-10)+stri

num = num // 16

print(stri)

decimal\_Hexadecimal(int(input))

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

**Sol:**

char = input()

print(‘ASCII value of ’+char+' is', ord(char))

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

def basic\_calculation(a,b,c):

if(c==1):

return a+b

elif(c==2):

return a-b

elif(c==3):

return a\*b

else:

return a/b

print("enter numbers for operation")

num1 = int(input())

num2 = int(input())

print("Enter 1 for Addition \nEnter 2 for Substract \nEnter 3 for Multipiicatioin \nEnter 4 for Division")

operation = int(input())

print(basic\_calculation(num1,num2,operation))