1. Write a Python Program to Find LCM?

```
        a = int(input("Enter the first number: "))
b = int(input("Enter the second number: "))

HCF = 1

for i in range(2,a+1):
   if(a%i==0 and b%i==0):
      HCF = i

print("First Number is: ",a)
print("Second Number is: ",b)

LCM = int((a*b)/(HCF))
print("LCM of the two numbers is: ",LCM)
```

2. Write a Python Program to Find HCF?

```
a = int(input("Enter the first number: "))
b = int(input("Enter the second number: "))

HCF = 1

for i in range(2,a+1):
   if(a%i==0 and b%i==0):
      HCF = i

print("First Number is: ",a)
print("Second Number is: ",b)
print("HCF of the numbers is: ",HCF)
```

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

```
dec = int(input("Enter the Decimal Number \n"))
def convertToBinary(n):
  if n > 1:
     convertToBinary(n//2)
  print(n % 2,end = '')

def convertToOctal(n):
   octal = 0
   ctr = 0
   temp = n  #copying number

   #computing octal using while loop
   while(temp > 0):
      octal += ((temp%8)*(10**ctr))  #Stacking remainders
      temp = int(temp/8)           #updating dividend
```

```
        ctr += 1
    print(octal)
def convertToHex(dec):
    digits = "0123456789ABCDEF"
    x = (dec % 16)
    rest = dec // 16
    if (rest == 0):
        return digits[x]
    print(convertToHex(rest) + digits[x])
print("Decimal to Binary")
convertToBinary(dec)
print("\n")
print("Decimal to Octal")
convertToOctal(dec)
print("\n")
print("Decimal to Hexadecimal")
convertToHex(dec)
```

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

```
c = input("input the character ")
print("The ASCII value of '" + c + "' is", ord(c))
```

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

```
def get_input():

    f_num=int(input("Enter the First Number "))

    s_num=int(input("Enter the Second Numebr "))

    return f_num,s_num

def add_operation():

    x,y= get_input()

    return x+y

def sub_operation():

    x,y= get_input()

    return x-y

def multi_operation():

    x,y= get_input()

    return x*y

def divide_operation():
```

```
    x,y= get_input()
    return x/y
print("Whcih Operation you want to perform ? \n 1.ADDITION \n 2.SUBTRATION \n 3.MULTIPLICATION \n 4.DIVITION \n")
i=int(input())
operations=[add_operation,sub_operation,multi_operation,divide_operation]
output=operations[i-1]()
```