1. Write a Python Program to Find LCM?

```python
x = int(input("enter first number"))
y = int(input("enter second number"))

def lcm(x,y):
   if x > y:
      res = x
   else:
      res = y

      while(1):
         if (res%x == 0  and res%y == 0):

            break
         res = res + 1
      return res

   ans = lcm(x,y)

   print(f'LCM of {x} and {y} is {ans}')
```

2. Write a Python Program to Find HCF?

```python
x = int(input("enter first number"))
y = int(input("enter second number"))

def hcf(x,y):
   if x > y:
      res = y
   else:
      res = x

      for i in range(1,res+1):
         if (x%i == 0  and y%i == 0):

            res = i

      return res

   ans = hcf(x,y)

   print(f'HCF of {x} and {y} is {ans}')
```

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

```python
n = int(input("enter decimal number"))


hex_dict = {10: 'A', 11: 'B', 12: 'C',
                  13: 'D', 14: 'E', 15: 'F'}

def dec_bin(n):
   if n >= 1:
```

```
10.            dec_bin(n//2)
11.     print("Decimal to binary is",n%2,end="")
12.
13.
14. def dec_bin2(n):
15.     res = ""
16.     while(n>=1):
17.         res = res + str(n%2)
18.         n = n//2
19.     print("Decimal to binary is",res[::-1])
20.
21.
22. def dec_oct(n):
23.     if n >= 8:
24.         dec_oct(n//8)
25.      print("Decimal to octal is", n%8,end="")
26.
27. def dec_hex2(n):
28.     res = ""
29.     while(n>=1):
30.         if n%16 > 9:
31.             x2 = hex_dict[n%16]
32.         else:
33.             x2 = n%16
34.         res = res + str(x2)
35.         n = n//16
36.     print("Decimal to Hex is",res[::-1])
37.
38. dec_bin2(n)
39. dec_oct(n)
40. dec_hex2(n)
```

4. Write a Python Program To Find ASCII value of a character?
```
n = input("enter the character")

print("ASCII value for the given character is", ord(n))
```

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

```python
a1 = int(input("enter first number: "))

a2 = int(input("enter second number: "))



op = int(input("enter the operation tobe perform on given values 1:
addition , 2:Substraction, 3:multiplication, 4:division: "))



def calcu(a,b,op):

    if op==1:

        print("Sum of two number is: ", a+b)

    if op==2:

        print("Substraction of two number is: ", a-b)

    if op==3:

        print("Multiplication of two number is: ", a*b)

    if op==4:

        print("Division of", a,"divide by",b, "is: ", a/b)

calcu(a1,a2,op)
```