

- 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?**

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

In [3]:

```
def lcm():  
    n1 = int(input("Please enter a number: "))  
    n2 = int(input("Please enter a number: "))  
  
    if n1>n2:  
        m = n1  
    else:  
        m = n2  
  
    while True:  
        if m%n1 == 0 and m%n2 == 0:  
            lcm = m  
            break
```

```
        m += 1
    return lcm
```

```
lcm()
```

```
Please enter a number: 12
```

```
Please enter a number: 18
```

Out[3]:

```
36
```

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

In [12]:

```
def lcm():
    n1 = int(input("Please enter a number: "))
    n2 = int(input("Please enter a number: "))

    if n1 > n2:
        m = n2
    else:
        m = n1

    for i in range(1, m+1):
        if n1%i == 0 and n2%i == 0:
            hcf = i

    return hcf
```

```
lcm()
```

```
Please enter a number: 54
```

```
Please enter a number: 24
```

Out[12]:

```
(6, 6)
```

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

In [13]:

```
a = int(input("Please enter a number"))
```

```
print("The decimal value of", a, "is:")
print(bin(a), "in binary.")
print(oct(a), "in octal.")
print(hex(a), "in hexadecimal.")
```

```
Please enter a number153
The decimal value of 153 is:
0b10011001 in binary.
0o231 in octal.
0x99 in hexadecimal.
```

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

In [15]:

```
a = input("Please enter a character: ")

print ("The ASCII value of '" + a + "' is ", ord(a))
Please enter a character: a
The ASCII value of 'a' is  97
```

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

In [20]:

```
def calculator():
    a = int(input("Enter a number: "))
    b = input("Enter operation: ")
    c = int(input("Enter a number: "))

    if b == '+':
        d = a+c
    elif b == '-':
        d = a-c
    elif b == '/':
        d = a/c
    elif b == '*':
        d = a*c

    return d
```

```
calculator()
```

```
Enter a number: 5
```

```
Enter operation: +
```

```
Enter a number: 2
```

```
7
```