1. Write a Python Program to Find LCM?

In [1]:
```
def compute_LCM(x,y):
    # loop to find out hiher value
    if x>y:
        higher = x
    else:
        higher = y
    value = higher
    while True:
        if higher % x == 0 and higher % y == 0:
            print("LCM of ", x, "and", y, "is", higher)
            break
        else:
            higher = higher + value

x = int(input("Enter First Number: "))
y = int(input("Enter Second Number: "))
compute_LCM(x,y)
```

```
Enter First Number: 4
Enter Second Number: 6
LCM of  4 and 6 is 12
```

2. Write a Python Program to Find HCF?

#Euclidean Method

In [2]:
```
import math
math.gcd(12,14) # GCD and HCF are same.
```

Out[2]: 2

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

In [3]:
```
dec = 344

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

```
The decimal value of 344 is:

0b101011000 in binary.
0o530 in octal.
0x158 in hexadecimal.
```

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

In [4]:
```
# ASCII - American Standard Code for Information Interchange
c = input("enter a character:")
print("The ASCII value of '" + c + "' is", ord(c))
```

```
enter a character:f
The ASCII value of 'f' is 102
```

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

In [5]:
```
# SImple Calculator
num1 = int(input("Enter a Number: "))
num2 = int(input("Enter second Number: "))

operation = int(input("What do you want to do ? 1. Add 2. Substract 3. Multiply 4. Divide  :  "))

if operation ==1:
    print()
    print("Addition of numbers is" , num1+num2)
elif operation == 2 :
    print()
    print("Diiference of numbers is" , num1-num2)
elif operation == 3:
    print()
    print("Multiplication of numbers is" , num1*num2)
elif operation == 4:
    print()
    print("Division of numbers is" , num1/num2)
else :
    print()
    print("Entered value is not cortrect. Choose one value among 1 2 3 4")
```

```
Enter a Number: 5
Enter second Number: 6
What do you want to do ? 1. Add 2. Substract 3. Multiply 4. Divide  :  3

Multiplication of numbers is 30
```

In [ ]:
```
1
```