Que:-1 Write a Python Program to find LCM ?

In [2]:
```
#solution:-

x = int(input("Enter num1 : "))
y = int(input("Enter num2 : "))


if x > y:
    bigger = x
else:
    bigger = y

while(True):
    if bigger % x == 0 and bigger % y == 0 :
        lcm = bigger
        break
    bigger+=1

print(f"The lcm of {x} and {y} is {lcm}")
```

```
Enter num1 : 3
Enter num2 : 5
The lcm of 3 and 5 is 15
```

Que:-2 Write a Python Program to find HCF ?

In [3]:
```
#solution:-

x = int(input("Enter num1 :- "))
y = int(input("Enter num2 :- "))


if x < y:
    small = x
else:
    small = y
hcf = 0
for i in range(1,small+1):
    if x % i == 0 and y % i == 0 :
        hcf = i

print(f"The hcf of {x} and {y} is {hcf}")
```

```
Enter num1 :- 3
Enter num2 :- 7
The hcf of 3 and 7 is 1
```

Que:-3 Write a Python Program to Convert Decimal to Binary, Octal and Hexadecimal ?

In [9]:
```
#solution:-
def number():
    x=int(input("Enter number :"))

    print(x, "in binary : ", bin(x))
    print(x, "in Octal : ", oct(x))
    print(x, "in Hexadecimal : ",hex(x))
number()
```

```
Enter number :100
100 in binary :  0b1100100
100 in Octal :  0o144
100 in Hexadecimal :  0x64
```

Que:-4 Write a Python Program To Find ASCII value of a character?

In [11]:
```
#solution:-

def Ascii_value():
    char = input('Enter a Character: ')
    if len(char) > 1:
        print('Please Enter a Single Character')
    else:
        print(f'Ascii Character of {char} is {ord(char)}')

Ascii_value()
```

```
Enter a Character: j
Ascii Character of j is 106
```

Que:-5 Write a Python Program to Make a Simple Calculator with 4 Basic Mathematical operations ?

In [13]:

```
#solution:-

x = float(input("Enter num1 :"))
y = float(input("Enter num2 :"))

operator = input("Enter + to add : \nEnter - to Sub :\nEnter * to multi :\nEnter / to div : ")

add = x + y
sub = x - y
multi = x * y


if operator == "+":
    print(f"addition of {x} and {y} is {add}")
elif operator == "-":
    print(f"substraction of {x} - {y} is {sub}")
elif operator == "*":
    print(f"multiplication of {x} * {y} is {multi}")
elif operator == "/":
    if num1 == 0 or num2 == 0:
        print("Division with zero is not possible")
    else:
        div = x / y
        print(f"division of {x} / {y} is {div}")
else:
    print("Invalid input")
```

```
Enter num1 :10
Enter num2 :5
Enter + to add :
Enter - to Sub :
Enter * to multi :
Enter / to div : +
addition of 10.0 and 5.0 is 15.0
```