- Write a Python Program to Find LCM?

In [1]:
```python
def find_gcd(x, y):
    while y:
        x, y = y, x % y
    return x

def find_lcm(x, y):
    lcm = (x * y) // find_gcd(x, y)
    return lcm

# Taking user input for two numbers
num1 = int(input("Enter first number: "))
num2 = int(input("Enter second number: "))

# Finding the LCM using the function
lcm = find_lcm(num1, num2)
print(f"The LCM of {num1} and {num2} is: {lcm}")

```

```
Enter first number: 56
Enter second number: 63
The LCM of 56 and 63 is: 504
```

- Write a Python Program to Find HCF?

In [2]:
```python
def find_gcd(x, y):
    while y:
        x, y = y, x % y
    return x

# Taking user input for two numbers
num1 = int(input("Enter first number: "))
num2 = int(input("Enter second number: "))

# Finding the GCD using the function
gcd = find_gcd(num1, num2)
print(f"The GCD of {num1} and {num2} is: {gcd}")

```

```
Enter first number: 58
Enter second number: 69
The GCD of 58 and 69 is: 1
```

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

In [3]:

```python
def decimal_to_binary(decimal):
    return bin(decimal)

def decimal_to_octal(decimal):
    return oct(decimal)

def decimal_to_hexadecimal(decimal):
    return hex(decimal)

# Taking user input for a decimal number
decimal_number = int(input("Enter a decimal number: "))

# Converting the decimal number to binary, octal, and hexadecimal
binary = decimal_to_binary(decimal_number)
octal = decimal_to_octal(decimal_number)
hexadecimal = decimal_to_hexadecimal(decimal_number)

print(f"Decimal {decimal_number} in:")
print(f"Binary: {binary}")
print(f"Octal: {octal}")
print(f"Hexadecimal: {hexadecimal}")

```

```
Enter a decimal number: 58
Decimal 58 in:
Binary: 0b111010
Octal: 0o72
Hexadecimal: 0x3a
```

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

In [5]:

```python
# Taking user input for a character
character = input("Enter a character: ")

# Finding the ASCII value of the character
ascii_value = ord(character)

print(f"The ASCII value of '{character}' is: {ascii_value}")

```

```
Enter a character: u
The ASCII value of 'u' is: 117
```

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

In [6]:

```python
def add(x, y):
    return x + y

def subtract(x, y):
    return x - y

def multiply(x, y):
    return x * y

def divide(x, y):
    if y == 0:
        return "Cannot divide by zero"
    return x / y

print("Select operation:")
print("1. Addition")
print("2. Subtraction")
print("3. Multiplication")
print("4. Division")

# Taking user input for choice and numbers
choice = input("Enter choice (1/2/3/4): ")
num1 = float(input("Enter first number: "))
num2 = float(input("Enter second number: "))

if choice == '1':
    print(f"{num1} + {num2} = {add(num1, num2)}")
elif choice == '2':
    print(f"{num1} - {num2} = {subtract(num1, num2)}")
elif choice == '3':
    print(f"{num1} * {num2} = {multiply(num1, num2)}")
elif choice == '4':
    print(f"{num1} / {num2} = {divide(num1, num2)}")
else:
    print("Invalid input")

```

```
Select operation:
1. Addition
2. Subtraction
3. Multiplication
4. Division
Enter choice (1/2/3/4): 3
Enter first number: 52
Enter second number: 2
52.0 * 2.0 = 104.0
```

In [ ]:

```python

```