* Write a Python Program to Find LCM?

# Function to find the Greatest Common Divisor (GCD)

def gcd(x, y):

while y:

x, y = y, x % y

return x

# Function to find the LCM

def lcm(x, y):

return (x \* y) // gcd(x, y)

# Input two numbers from the user

num1 = int(input("Enter the first number: "))

num2 = int(input("Enter the second number: "))

# Calculate and display the LCM

result = lcm(num1, num2)

print(f"The LCM of {num1} and {num2} is: {result}")

* Write a Python Program to Find HCF?

# Function to find the Greatest Common Divisor (GCD)def hcf(x, y):

while y:

x, y = y, x % y

return x

# Input two numbers from the user

num1 = int(input("Enter the first number: "))

num2 = int(input("Enter the second number: "))

# Calculate and display the HCF

result = hcf(num1, num2)

print(f"The HCF of {num1} and {num2} is: {result}")

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

# Input a decimal number from the user

decimal\_num = int(input("Enter a decimal number: "))

# Convert to binary, octal, and hexadecimal

binary\_num = bin(decimal\_num)[2:]

octal\_num = oct(decimal\_num)[2:]

hexadecimal\_num = hex(decimal\_num)[2:]

# Display the results

print(f"Decimal {decimal\_num} in binary is: {binary\_num}")

print(f"Decimal {decimal\_num} in octal is: {octal\_num}")

print(f"Decimal {decimal\_num} in hexadecimal is: {hexadecimal\_num}")

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

# Input a character from the user

char = input("Enter a character: ")

# Find the ASCII value

ascii\_value = ord(char)

# Display the result

print(f"The ASCII value of '{char}' is: {ascii\_value}")

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

# Function to add two numbers

def add(x, y):

return x + y

# Function to subtract two numbers

def subtract(x, y):

return x - y

# Function to multiply two numbers

def multiply(x, y):

return x \* y

# Function to divide two numbers

def divide(x, y):

if y != 0:

return x / y

else:

return "Cannot divide by zero"

# Input two numbers and the operation from the user

num1 = float(input("Enter the first number: "))

num2 = float(input("Enter the second number: "))

operation = input("Enter the operation (+, -, \*, /): ")

# Perform the selected operation

if operation == '+':

result = add(num1, num2)

elif operation == '-':

result = subtract(num1, num2)

elif operation == '\*':

result = multiply(num1, num2)

elif operation == '/':

result = divide(num1, num2)

else:

result = "Invalid operation"

# Display the result

print(f"The result of {num1} {operation} {num2} is: {result}")