1. Write a Python Program to Find LCM?

import math

def find\_lcm(a, b):

gcd = math.gcd(a, b)

lcm = abs(a \* b) // gcd

return lcm

# Example usage

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

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

result = find\_lcm(num1, num2)

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

1. Write a Python Program to Find HCF?

import math

def find\_hcf(a, b):

return math.gcd(a, b)

# Example usage

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

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

result = find\_hcf(num1, num2)

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

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

def convert\_decimal(number):

binary = bin(number)

octal = oct(number)

hexadecimal = hex(number)

return binary, octal, hexadecimal

# Example usage

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

binary, octal, hexadecimal = convert\_decimal(decimal\_number)

print(f"Binary: {binary}")

print(f"Octal: {octal}")

print(f"Hexadecimal: {hexadecimal}")

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

def find\_ascii\_value(character):

return ord(character)

# Example usage

char = input("Enter a character: ")

ascii\_value = find\_ascii\_value(char)

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

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

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 "Error! Division by zero."

return x / y

# Example usage

print("Select operation:")

print("1. Add")

print("2. Subtract")

print("3. Multiply")

print("4. Divide")

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")