1. Write a Python Program to Find LCM?

Ans1

def lcm(x, y):

if x > y:

greater = x

else:

greater = y

while True:

if greater % x == 0 and greater % y == 0:

lcm = greater

break

greater += 1

return lcm

num1 = 12

num2 = 30

print("The LCM of", num1, "and", num2, "is", lcm(num1, num2))

2. Write a Python Program to Find HCF?

Ans2

def hcf(x, y):

if x < y:

smaller = x

else:

smaller = y

hcf = 1

for i in range(1, smaller + 1):

if x % i == 0 and y % i == 0:

hcf = i

return hcf

num1 = 24

num2 = 36

print("The HCF of", num1, "and", num2, "is", hcf(num1, num2))

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

Ans3

dec = int(input("Enter a decimal number: "))

print("The binary equivalent of", dec, "is", bin(dec))

print("The octal equivalent of", dec, "is", oct(dec))

print("The hexadecimal equivalent of", dec, "is", hex(dec))

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

Ans4

char = input("Enter a character: ")

print("The ASCII value of", char, "is", ord(char))

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

Ans5

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):

return x / y

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(num1, "+", num2, "=", add(num1, num2))

elif choice == '2':

print(num1, "-", num2, "=", subtract(num1, num2))

elif choice == '3':

print(num1, "\*", num2, "=", multiply(num1, num2))

elif choice == '4':

print(num1, "/", num2, "=", divide(num1, num2))

else:

print("Invalid input")