1. Write a Python Program to Find LCM?

A. def gcd(a, b):

if b == 0:

return a

else:

return gcd(b, a % b)

def lcm(a, b):

return (a\*b) // gcd(a, b)

1. Write a Python Program to Find HCF?

A. def hcf(a, b):

while b:

a, b = b, a % b

return a

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

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

print("The decimal number", dec, "in binary is:", bin(dec))

print("The decimal number", dec, "in octal is:", oct(dec))

print("The decimal number", dec, "in hexadecimal is:", hex(dec))

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

A. char = input("Enter a character: ")

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

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

A. # define the calculator function

def calculator():

print("Enter two numbers:")

num1 = float(input())

num2 = float(input())

print("\nSelect operation:")

print("+ Addition")

print("- Subtraction")

print("\* Multiplication")

print("/ Division")

choice = input()

if choice == '+':

result = num1 + num2

elif choice == '-':

result = num1 - num2

elif choice == '\*':

result = num1 \* num2

elif choice == '/':

if num2 == 0:

print("Error: division by zero!")

return

else:

result = num1 / num2

else:

print("Invalid operation!")

return

print("\nThe result is:", result)

calculator()