**ANSWERS**

**Q1. Write a Python Program to Find LCM?**

**Ans.** Please find below the code to find LCM:

def gcd(a, b):

while b:

a, b = b, a % b

return a

def lcm(a, b):

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

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

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

lcm\_result = lcm(num1, num2)

print(f"The LCM of {num1} and {num2} is {lcm\_result}")

**Q2. Write a Python Program to Find HCF?**

**Ans.** Please find below the code to find HCF:

def gcd(a, b):

while b:

a, b = b, a % b

return a

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

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

hcf\_result = gcd(num1, num2)

print(f"The HCF of {num1} and {num2} is {hcf\_result}")

**Q3. Write a Python Program to Convert Decimal to Binary, Octal and Hexadecimal?**

**Ans.** Please find below the code to convert decimal to binary, octal and hexadecimal:

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

binary = bin(decimal)

octal = oct(decimal)

hexadecimal = hex(decimal)

print(f"Binary: {binary}")

print(f"Octal: {octal}")

print(f"Hexadecimal: {hexadecimal}")

**Q4. Write a Python Program To Find ASCII value of a character?**

**Ans.** Please find below the code to find ASCII value of a character:

character = input("Enter a character: ")

ascii\_value = ord(character)

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

**Q5. Write a Python Program to Make a Simple Calculator with 4 basic mathematical operations?**

**Ans.** Please find below the code to make a simple calculator with 4 basic mathematical operations:

def add(a, b):

return a + b

def subtract(a, b):

return a - b

def multiply(a, b):

return a \* b

def divide(a, b):

if b != 0:

return a / b

else:

return "Cannot divide by zero"

print("Select operation:")

print("1. Add")

print("2. Subtract")

print("3. Multiply")

print("4. Divide")

choice = int(input("Enter choice (1/2/3/4): "))

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

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

if choice == 1:

print("Result:", add(num1, num2))

elif choice == 2:

print("Result:", subtract(num1, num2))

elif choice == 3:

print("Result:", multiply(num1, num2))

elif choice == 4:

print("Result:", divide(num1, num2))

else:

print("Invalid choice")