

Q1. Write a Python Program to Find LCM?

```
num1 = int(input("Enter the first number: "))
num2 = int(input("Enter the second number: "))
max_num = max(num1, num2)
lcm = max_num
while True:
    if lcm % num1 == 0 and lcm % num2 == 0:
        break
    lcm += max_num
print("The LCM of", num1, "and", num2, "is:", lcm)
```

Q2. Write a Python Program to Find HCF?

```
num1 = int(input("Enter the first number: "))
num2 = int(input("Enter the second number: "))
while num2 != 0:
    num1, num2 = num2, num1 % num2
print("The HCF of", num1, "and", num2, "is:", num1)
```

Q3. Write a Python Program 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("The binary representation is:", binary)
print("The octal representation is:", octal)
print("The hexadecimal representation is:", hexadecimal)
```

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

```
character = input("Enter a character: ")
ascii_value = ord(character)
print("The ASCII value of", character, "is:", ascii_value)
```

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

```
def add(num1, num2):
    return num1 + num2

def subtract(num1, num2):
    return num1 - num2

def multiply(num1, num2):
    return num1 * num2

def divide(num1, num2):
    return num1 / num2

number1 = float(input("Enter the first number: "))
number2 = float(input("Enter the second number: "))
print("Select an operation:")
print("1. Addition")
print("2. Subtraction")
print("3. Multiplication")
print("4. Division")
choice = int(input("Enter your choice (1-4): "))

if choice == 1:
    result = add(number1, number2)
    operation = "+"
elif choice == 2:
    result = subtract(number1, number2)
    operation = "-"
elif choice == 3:
    result = multiply(number1, number2)
    operation = "*"
elif choice == 4:
    result = divide(number1, number2)
    operation = "/"
```

```
elif choice == 4:
    result = divide(number1, number2)
    operation = "/"
else:
    print("Invalid choice")
    exit()
print(number1, operation, number2, "=", result)
```