1. Write a Python Program to Find LCM

Soln:

```python
def lcm(a,b):
    '
    high = a if a > b else b

    while True:
        if (high%a==0) and (high%b==0):
            break
        else:
            high += 1

    return high
```

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2. Write a Python Program to Find HCF

Soln:

```python
def hcf(a, b):
    while b:
        a, b = b, a % b
    return a

# take input from the user
num1 = int(input("Enter first number: "))
num2 = int(input("Enter second number: "))

# calculating the HCF
result = hcf(num1, num2)

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

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

Soln:

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

```
# converting decimal to binary, octal and hexadecimal
binary = bin(dec)
octal = oct(dec)
hexadecimal = hex(dec)

print("The decimal number", dec, "in binary is", binary)
print("The decimal number", dec, "in octal is", octal)
print("The decimal number", dec, "in hexadecimal is", hexadecimal)
```

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

Soln:

```
char = input("Enter a character: ")

ascii_value = ord(char)

print("The ASCII value of", char, "is", ascii_value)
```

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

Soln:

```
# function to add two numbers
def add(a, b):
    return a + b

# function to subtract two numbers
def subtract(a, b):
    return a - b

# function to multiply two numbers
def multiply(a, b):
    return a * b

# function to divide two numbers
def divide(a, b):
```

```python
    return a / b

num1 = float(input("Enter first number: "))
num2 = float(input("Enter second number: "))

print("Select an operation:")
print("1. Add")
print("2. Subtract")
print("3. Multiply")
print("4. Divide")

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

# perform the selected operation
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 choice")
```