1. Write a Python Program to Find LCM?

```
x = 20
y = 25
if x > y:
  x, y = y, x
for i in range(1,x+1):
  if x%i == 0 and y%i == 0:
    gcd = i

lcm = (x*y)/gcd

print("LCM of", x, "and", y, "is:", lcm)
```

2. Write a Python Program to Find HCF?

```
x = 50
y = 100
if x > y:
  x, y = y, x
for i in range(1,x+1):
  if x%i == 0 and y%i == 0:
    hcf = i

print("HCF of", x, "and", y, "is:", hcf)
```

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

```
dec = 344

print("The decimal value of", dec, "is:")
print(bin(dec), "in binary.")
print(oct(dec), "in octal.")
print(hex(dec), "in hexadecimal.")
```

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

```
c = 'p'
print("The ASCII value of '" + c + "' is", ord(c))
```

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

```
# Program make a simple calculator

# This function adds two numbers
def add(x, y):
   return x + y

# This function subtracts two numbers
def subtract(x, y):
   return x - y
```

```
# This function multiplies two numbers
def multiply(x, y):
   return x * y

# This function divides two numbers
def divide(x, y):
   return x / y


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

while True:
   # take input from the user
   choice = input("Enter choice(1/2/3/4): ")

   # check if choice is one of the four options
   if choice in ('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))

      # check if user wants another calculation
      # break the while loop if answer is no
      next_calculation = input("Let's do next calculation? (yes/no): ")
      if next_calculation == "no":
        break

   else:
      print("Invalid Input")
```