Throughout this lab session, you will learn about formatted input and output in C programming.

1. Write a C program that accepts a distance in inches from the user and prints the corresponding value in cms. Note that 1 inch = 2.54 cm.

   Test data and expected output:
   ```
   Enter the distance in inches:3
   Distance 3.00 inches is = 7.62 cms
   ```

Upload your completed C program into the Lab 05 – Program 01 submission folder.

2. Write a C program that reads two values from the user, then swaps their values and prints out the result.

   Test data and expected output:
   ```
   Enter two real values to be swapped:2.4 5.7
   Values entered are a=2.400000 and b=5.700000
   Values after swap are a=5.700000 and b=2.400000
   ```

Upload your completed C program into the Lab 05 – Program 02 submission folder.

3. Write a C program that read a temperature in Fahrenheit and prints the corresponding temperature in Celsius.
   $$C = ((F - 32)*5)/9$$

   Test data and expected output:
   ```
   Enter temp in Farenheit:98.4
   Temp 98.40 in Farenheit = 36.89 Centigrade
   ```

Upload your completed C program into the Lab 05 – Program 03 submission folder.

4. Write a program that accepts (read) any character and prints the corresponding ASCII value.

   Test data and expected output:
   ```
   Enter character: A
   ASCII value of A is: 65
   ```

Upload your completed C program into the Lab 05 – Program 04 submission folder.

5. Write a C program to determine an employee weekly salary based on the following information.
   - Read the employee regular hourly pay rate from user.
   - Read the employee hours worked from the user.
   - Calculate the total weekly pay for the employee. (No overtime pay for this example.)
   - Then, display the results in the following example:

   Test data and expected output:
   ```
   Enter hourly pay rate:200
   Enter hours worked: 50
   ********* Weekly Salary *********
    Hourly Rate:            200.00
    Hours Worked:            50.00
    Weekly Salary:        10000.00
   ```

Upload your completed C program into the Lab 05 – Program 05 submission folder.

6. Write a C program to implement a simple receipt generator. This shop sells only two products and calculate the total bill amount based on the quantity purchased by the user and display receipt according the following guidelines.
   - Unit price for the Laptop is 120,000.00 and Mobile Phone is 55,000.00.
   - Read number of laptops purchased by the customer.
   - Read number of phones purchased by the customer.
   - Then, calculate the total amount for the receipt and display it in the following format:

   ```
   Enter Number of Laptop Purchased:2
   Enter Number of Phones Purchased: 10
   ********* Welcome UoK Digital Store ********************
    Description      No of Units    Unit Price      Sub Total
    Laptop                     2     120000.00      240000.00
    Phone                     10      55000.00      550000.00
    Total Amount                                    790000.00
   ------------------------------------------------------------------------------------------------
   ```

Upload your completed C program into the Lab 05 – Program 06 submission folder.