Tasks Lab 2:

- **Perform all of the tasks and submit by Wednesday midnight, for a possible bonus at the end of the semester.**
- **All questions carry equal weightage/ marks.**

Task 1:

Write a C program that declares two variables of different data types (e.g., int and float), assigns values to them, and prints their sum.

Task 2:

Implement a C program that takes two integer inputs from the user and uses conditional operators to determine and print whether the first number is greater than or equal to the second.

Task 3:

Create a C program that prompts the user to enter an integer and then checks if it's even or odd. Print an appropriate message based on the result.

Task 4:

Write a C program that implements a simple calculator. Ask the user to enter two numbers and an operator (+, -, *, /). Use a switch statement to perform the corresponding operation and display the result.

Task 5:

Develop a C program that reads the temperature in Celsius from the user. Convert it to Fahrenheit using the formula $F= 5/9 \times C+32$
Print both Celsius and Fahrenheit temperatures with appropriate labels.

Task 6:

You are tasked with implementing a program in C for a simple online shopping cart. The program should have the following features:

- Allow the user to select an item from 3 items, and add the selected item to the cart. The cart may only have one item at most.
- Display the current item in the cart along with its price.
- Prompt the user to enter the quantity of item they want to purchase.

- Calculate and display the total cost of the item in the cart with respect to the quantity.
- Apply a discount of 10% if the total cost is above $100.
- The item must have a price, name, and bar code. When added to the cart, you may enter the quantity in another variable.

Implement the program using appropriate variables, data types, and control structures. Utilize if-else statements for conditional operations and a switch statement for handling different menu options.