**The University of Lahore, CS&IT Department**

**Programming Fundamentals**

**Lab Assignment # 02**

**Start Date:** 07/11/2024 **Total Marks: 20**

**Due Date:** 10/11/2024 **Program:** BSCS

**Instructions**

1. Understanding the problems is part of the assignment. So, no query, please.
2. You will get zero marks if found any type of plagiarism.
3. No submission after due date.
4. Upload pdf file containing your code and screenshots of outputs.

**Q1:** A restaurant has a menu with the following items and prices:

1. Hamburger: $4.50
2. Cheeseburger: $5.00
3. French fries: $2.50
4. Soft drink: $1.50

Write a program that allows the user to order items from the menu. The program should display the menu, prompt the user to select an item by entering a number (1 for Hamburger, 2 for Cheeseburger, 3 for French fries, 4 for Soft drink), and then prompt the user to enter the quantity. After each order, the program should ask the user if they want to order more items (Y/N). The program should keep a running total of the cost of the order and display it at the end.

Note: The program should use a switch statement to determine the price of each item, and a do-while loop to allow the user to order multiple items. [20]