**Project Title: Cafeteria Management System**

**Group Formation**

Our group consists of the following members:

1. Member 1: Muskaan Mumtaz hussain (Reg no:241201048)
2. Member 2: Maryam Sahar (Reg no:241201027)
3. Member 3: Haleema Mudassar (Reg no:241201033)
4. Member 4: Ahmed Ali (Reg no:241201041)

**Project Objectives**

1. To design a C++-based system that helps manage cafeteria operations efficiently.
2. To allow users to view the menu, order food items, calculate bills, and track sales.
3. To implement core programming concepts such as loops, arrays, functions, and conditional statements to build the system.
4. To calculate monthly and weekly sales reports of the cafeteria.

**Methodology**

1. **Menu Display and Ordering**
   * Use arrays to store the list of food items, their prices, and availability.
   * Allow users to view the menu and order food by selecting the desired items.
2. **Bill Calculation**
   * Implement functions to calculate the total bill based on selected items and their quantities.
   * Use input validation to ensure proper data entry.
3. **Sales Tracking**
   * Use variables and arrays to track total sales and items sold.
   * Display a summary of orders at the end of the session
4. **Sales Report**

* Use variable and formulas for calculating weekly and monthly reports.

**Task Distribution**

| **Name** | **Task Assigned** |
| --- | --- |
| 241201027 | Menu Display and Ordering |
| 241201033 | Bill Calculation |
| 241201048 | Sales Tracking |
| 241201041 | Sales Reports |