

# C# Assignment

## Operators, Looping and Array

1. A software company wants to develop a **Salary Calculation System** that calculates the **Net Salary** of employees based on their basic salary, tax deductions, and bonus. The system should perform various operations using **arithmetic, relational, logical operators**
  - ☐ Take the basic salary as user input.
  - ☐ Calculate a tax deduction (10% of the basic salary).
  - ☐ Add a bonus based on performance ratings:
    - Rating  $\geq 8 \rightarrow$  Bonus = 20% of the basic salary.
    - Rating  $\geq 5$  and  $< 8 \rightarrow$  Bonus = 10% of the basic salary.
    - Rating  $< 5 \rightarrow$  No bonus.
  - ☐ Display the computed salary after all calculations.
2. Create a program that Facilitates online train ticket booking and calculates the total cost. Display ticket types (General-200, Ac-1000rs, sleeper-500), decide the price as per your wish, ask the user to input the type and number of tickets they want and calculate the total cost.
  - User can book multiple tickets until he types exit (use appropriate loop and statements).
3. Write a program that allows users of an **online shopping platform** to check their **wallet balance**. The platform stores multiple users with their respective wallet balances.
  - Users can **enter their user ID** to check their balance
  - If the user enters wrong Id allow him to enter the proper Id (use loops) until he enters correct one.
  - If Id is validated display the wallet balance.