

# CS-201: Object Oriented Programming

## Assignment 1 – Week 1

**Objective:** To test understanding of classes, objects, constructors, and destructors in C++.

### ***Problem Statement:***

Design a C++ program for a **University Student Management System** with the following requirements:

1. Create a class **Student**.
2. Data members: Roll Number, Name, CGPA (all private).
3. Implement:
  - Default constructor
  - Parameterized constructor
  - Getter and setter functions
  - A display function
4. Add a destructor that displays a message when an object is destroyed.
5. Create at least 3 objects in main() using different constructors.

### ***Submission Rules:***

- Language: C++
- Code must compile successfully
- Follow proper indentation and naming conventions

**Deadline:** End of Week 1 (Sunday, 11:59 PM)