

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)