

Assignment 2

1. Create a class Student with attributes name, marks (for 5 subjects), and a method to calculate and return the grade based on average marks. Implement a grading system as:
 - 90-100: A
 - 80-89: B
 - 70-79: C
 - 60-69: D
 - Below 60: F
2. Write a C++ program that demonstrates the use of the three access specifiers: public, protected, and private.
3. Create a class named Rectangle that includes private member variables for length and width. Implement methods to set the dimensions, calculate the area, and calculate the perimeter of the rectangle.
4. Write a C++ program that creates several Book objects and displays their information along with the total number of books using constructor.
5. Write a C++ program that defines a class Employee with attributes for name, id, and department. Create multiple Employee objects and display their details along with the total number of employees created.