**Assignment 2.6: Package Creation and Access Modifiers**

**Objective:** Demonstrate package usage and access control  
 **Task:**

* Create a package college.students with class Student.
* Create another class Test in a different package to import and access Student.
* Use public, private, and protected variables and explain accessibility.

**Expected Output:**

Accessing *public* and *protected* members of Student.

Code

package college.students;

public class Student {

public String name = "Mayuri"; // Public → accessible everywhere

protected int rollNo = 101; // Protected → accessible in same package & subclasses

private double marks = 88.5; // Private → accessible only inside Student class

public void display() {

System.out.println("Name: " + name);

System.out.println("Roll No: " + rollNo);

System.out.println("Marks: " + marks);

}

}

package testpackage;

import college.students.Student;

public class Test extends Student {

public static void main(String[] args) {

Test t = new Test();

// Public member → accessible

System.out.println("Public Name: " + t.name);

// Protected member → accessible because Test is a subclass

System.out.println("Protected Roll No: " + t.rollNo);

// Private member → NOT accessible outside Student class

//System.out.println("Marks: " + t.marks);

// Public method → accessible

t.display();

}

}

