

Task :1

Package creation and String.

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1. Create a Java package called mysem, and that package have the class in the name of Courses. Students' names, regno, age, city and subjects are all attributes recorded in that class. Then, under the name Vlearn, create the main class. You are instructed to display the student details by calling the display method in the main class. For documentation, use JavaDoc comments.

Aim:

To create a Java package named mysem that contains a class Courses with student details such as name, register number, age, city, and subjects. The main class Vlearn should access the package and display the student details using a display method.

Algorithm:

1. **Package** **Name:**
mysem — to organize the Courses class logically.
2. **Class** **Name:**
Courses — to store and display student information.
3. **Method** **Name:**
display() — used to print all student details.
4. **Main** **Class** **Name:**
Vlearn — contains the main() method to create an object of Courses and call the display() method.
5. **Function:**
The program uses packages to demonstrate encapsulation and organized structure, and displays the student information through method calling.

Program:

File 1: Courses.java (inside folder mysem)

```
/**
 * Package: mysem
 * Class: Courses
 * This class stores and displays student details.
 */
package mysem;

public class Courses {
    // Attributes
```

```

String name;
String regno;
int age;
String city;
String subject;

// Constructor
public Courses(String name, String regno, int age, String city, String subject) {
    this.name = name;
    this.regno = regno;
    this.age = age;
    this.city = city;
    this.subject = subject;
}

/**
 * Method: display
 * Displays student details.
 */
public void display() {
    System.out.println("----- Student Details -----");
    System.out.println("Name: " + name);
    System.out.println("Register No: " + regno);
    System.out.println("Age: " + age);
    System.out.println("City: " + city);
    System.out.println("Subject: " + subject);
}
}

```

File 2: Vlearn.java

```

/**
 * Main Class: Vlearn
 * This class accesses the mysem package and displays student details.
 */
import mysem.Courses;

public class Vlearn {
    public static void main(String[] args) {
        // Create object for Courses class
        Courses student1 = new Courses("Kishor G", "22CSE045", 20, "Chennai", "Java
Programming");
    }
}

```

```
        // Call display method
        student1.display();
    }
}
```

Output:

----- Student Details -----

Name: Kishor G

Register No: 22CIT045

Age: 20

City: Chennai

Subject: Java Programming

Result:

Thus, a Java package mysem was successfully created containing the Courses class, and the main class Vlearn displayed the student details by calling the display() method.