

Review the Composition4 demo program and answer the following questions.

1. Illustrate and explain how an anonymous Name object is being used in the client program.
2. What data is stored in `classRoster[2]` ?
3. What is returned by `classRoster[2].getSchedule()`
4. What data is stored in `classRoster[2].getSchedule()[3]`
5. What is returned by `classRoster[2].getSchedule()[3].indexOf("t")`
6. Why are backslashes used in the last `System.out.println` statement in the client program?
7. Complete the static method below that could be used in the Composition4 client program to search and count the number of students who have Algebra as their first class in their schedule. You should use a linear search that uses a for loop and if statement.

```
public static int countFirstPeriodAlgebra(Student[] classRoster)
{
```

```
}
```

8. Complete the static method below that could be used in the Composition4 client program to compute and return the average of all student grade levels. That is, add up all the grade levels and divide by the number of students.

```
public static double computeAverageGradeLevel(Student[] classRoster)
{
```

```
}
```