

20/10/2021

Sel-6

YASH GUPTA

Seo200010234

```
class Student {
```

```
    static Student[] students = new Student[3];
```

```
    static studentcount = 0;
```

```
    String name;
```

```
    String studentId;
```

```
    int questionsAttended;
```

```
    public Student(String name, String studentId,  
                    int questionsAttended)
```

```
{
```

```
    this.name = name;
```

```
    this.studentId = studentId;
```

```
    this.questionsAttended = questionsAttended;
```

```
    studentcount++;
```

```
}
```

```
public static void double avg()
```

```
{
```

```
    int k = 0;
```

```
    double avg = 0;
```

```
    for (int i = 0; i < studentcount; i++) {
```

```
        k += students[i].questionsAttended;
```

```
    }  
    avg = k / studentcount;
```

```
    return avg;
```

```
}
```

```
}
```

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```
public class StudentMain {
```

```
    public static void main (String [] args) {
```

```
        Student students[0] = new Student("Yash", "S01", 7);
```

```
        Student students[1] = new Student("Jack", "S02", 8);
```

```
        Student students[2] = new Student("Jill", "S03", 9);
```

```
        double average;
```

```
        average = Student.avg();
```

```
        System.out.println(average);
```

```
    }
```

Q-2

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```
class Shape {
```

```
    double area;
```

```
    double perimeter;
```

```
    public Shape (double area, double perimeter) {
```

```
        this.area = area;
```

```
        this.perimeter = perimeter;
```

```
    }
```

```
class Circle extends Shape {
```

```
    public Circle (double area, double perimeter) {
```

```
        super (area, perimeter);
```

```
    }
```

```
    public void findRadius () {
```

```
        double Radius radius = this.perimeter / (2 * 3.14);
```

```
        return radius;
```

```
    }
```