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REG NO: SCT121-0810/2022

ADVANCED OBJECT-ORIENTED PROGRAMMING ASSIGNMENT

QUESTION

modify your program such that it evaluates the value of average marks and print grade correspond to marks obtained in adding to printing either “pass” or “fail”. Given that pass marks =75.

Possible grades

A is equal or greater than 93 passed exam

B is equal or greater than 85 passed exam

C equal or greater than 80 passed exam

D is equal or greater than 75 passed exam

E less than 75 fail exam

ANSWER

```
public class StudentGrade {  
    public static void main(String[] args) {  
        double averageMarks = 82.5; // Assuming the average marks obtained  
  
        // Determine grade based on average marks  
        String grade;  
        if (averageMarks >= 93.0) {  
            grade = "A";  
        } else if (averageMarks >= 85.0) {  
            grade = "B";  
        } else if (averageMarks >= 80.0) {  
            grade = "C";  
        } else if (averageMarks >= 75.0) {  
            grade = "D";  
        } else {  
            grade = "E";  
        }  
    }  
}
```

```
// Print grade
System.out.println("Grade: " + grade);

// Determine pass or fail based on average marks and passing threshold
String passOrFail = (averageMarks >= 75.0) ? "Pass" : "Fail";

// Print pass or fail
System.out.println("Result: " + passOrFail);
}
}
```