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Java Lab Assessment

(Note: Black background is due to VSC dark mode, not screenshots) Q1. Code:

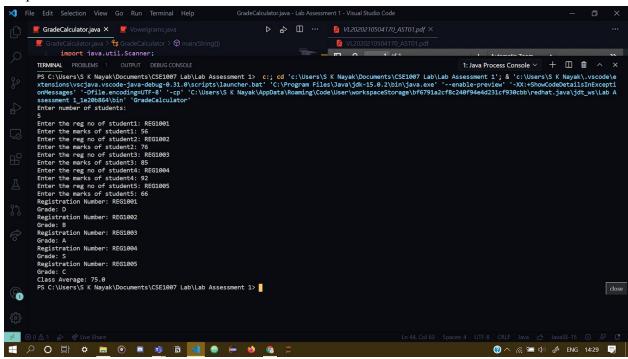
```
public class GradeCalculator {
   public static void main(String[] args) {
        Scanner scan = new Scanner(System.in);
       System.out.println("Enter number of students: ");
       int n = scan.nextInt();
       String reg[] = new String[n];
       int marks[] = new int[n];
        for(int i = 0; i < n; i++) {
            System.out.print("Enter the reg no of student" + (i+1) + ": ");
            reg[i] = scan.next();
            System.out.print("Enter the marks of student" + (i+1) + ": ");
           marks[i] = scan.nextInt();
       double denom = (double)n;
        for(int i = 0; i < n; i++) {
            if(marks[i] >= 90) {
            else\ if(marks[i] < 90 && marks[i] >= 80) {
                grade = 'A';
            else\ if(marks[i] < 80 && marks[i] >= 70) {
                grade = 'B';
```

```
}else if(marks[i] < 70 && marks[i] >= 60) {
    grade = 'C';
}else if(marks[i] < 60 && marks[i] >= 50) {
    grade = 'D';
}else {
    grade = 'F';
}

System.out.println("Registration Number: " + reg[i]);
System.out.println("Grade: " + grade);
}

System.out.println("Class Average: " + (total/denom));
scan.close();
}
```

Output:



Code:

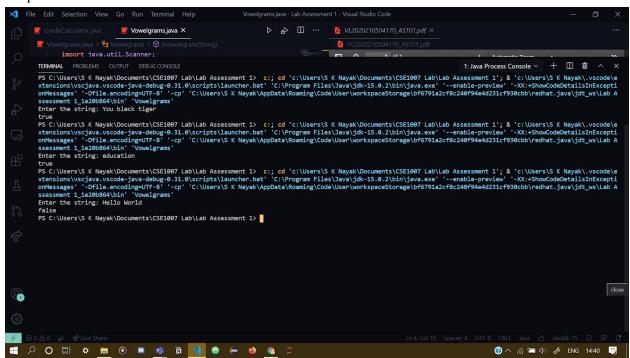
```
import java.util.Scanner;
public class Vowelgrams {
   public static boolean isVowelgram(String s) {
        char arr[] = s.toCharArray();
            }else if(a == 'i') {
            } else if(a == 'o') {
               count[4]++;
            if(i > 1) {
               return false;
       return true;
    public static void main(String[] args) {
```

```
Scanner scan = new Scanner(System.in);
System.out.print("Enter the string: ");
String str = scan.nextLine();

boolean b = isVowelgram(str);
System.out.println(b);

scan.close();
}
```

Output:



Code:

```
import java.util.Scanner;
class DriverInfo {
   DriverInfo(String s) {
   void getDriverInfo(Scanner s) {
       System.out.print("Driver Age: ");
       System.out.print("Driver License Type: ");
       drivingLicenseType = s.next();
   void dispDriverInfo() {
       System.out.println("Driver Age: " + age);
       System.out.println("Driver License Type: " + drivingLicenseType);
public class Driver {
       Scanner s = new Scanner(System.in);
       dri[0] = new DriverInfo("Hase", 25, "HGMV");
```

```
dri[1] = new DriverInfo("John", 30, "HMV");
dri[2] = new DriverInfo("Roug", 36, "HGMV");
dri[3] = new DriverInfo("Roja", 20, "HMV");
dri[4] = new DriverInfo("Rahul", 31, "LMV");
dri[5] = new DriverInfo("Guy", 38, "MGV");

for(int i = 0; i < 6; i++) {
    if(dri[i].drivingLicenseType == "HMV") {
        dri[i].dispDriverInfo();
    }
}
s.close();
}</pre>
```

Output:

