



All questions are mapped to CLO1

```
import java.util.Scanner;

public class StudentGradeCalculator {
    public static void main(String[] args) {
        Scanner input = new Scanner(System.in);

        // Student 1 details
        String s1_name = null;
        int s1_marks = 0;

        // Student 2 details
        String s2_name = null;
        int s2_marks = 0;

        // Input for Student 1
        System.out.println("Enter the details of Student 1");
        System.out.print("Enter Name: ");
        s1_name = input.next();
        System.out.print("Enter Marks: ");
        s1_marks = input.nextInt();

        // Input for Student 2
        System.out.println("Enter the details of Student 2");
        System.out.print("Enter Name: ");
        s2_name = input.next();
        System.out.print("Enter Marks: ");
        s2_marks = input.nextInt();

        // Output results
        System.out.println("Name: " + s1_name + "\tGrade: " + calculateGrade(s1_marks));
        System.out.println("\t\t\t****\t\t\t");
        System.out.println("Name: " + s2_name + "\tGrade: " + calculateGrade(s2_marks));
        System.out.println("\t\t\t****\t\t\t");
    }
}
```

```

public static String calculateGrade(int marks) {
    if (marks >= 90) {
        return "A";
    } else if (marks >= 80) {
        return "B";
    } else if (marks >= 70) {
        return "C";
    } else if (marks >= 60) {
        return "D";
    } else {
        return "F";
    }
}
}

```

Q2. Consider a class DateSixthTry. Would it be legal to add two method definitions with the following two method headings to the class DateSixthTry?

```

public void setMonth( int newMonth)
public void setMonth(String newMonth)

```

Q3. Suppose you have defined a class such as the following for use in a program:

```

public class YourClass
{
    private int information;
    private char moreInformation;
    public YourClass( int newInfo, char moreNewInfo)
    {
        <Details not shown.>
    }
    public void doStuff()
    {
        <Details not shown.>
    }
}

```

Which of the following are legal in a program that uses this class?

```

YourClass anObject = new YourClass(42, 'A');
YourClass anotherObject = new YourClass(41.99, 'A');
YourClass yetAnotherObject = new YourClass();
yetAnotherObject.doStuff();
YourClass oneMoreObject;
oneMoreObject.doStuff();
oneMoreObject>YourClass(99, 'B');

```