# Ch 4 You Do It Activity 1: Reviewing If… else Statement in Java. Write the code snippet here for the following question. Assume all variables are declared. Do Not Code in Eclipse. Upload the word document with your solutions.

1. Suppose ***gpa*** is a variable containing the grade point average of a student. Your program needs to let a student know if their scholarship will be renewed (gpa must be 3.0 or higher).   
     
   Write the if..else statement that prints out the appropriate message - either “Scholarship renewal approved” or “Scholarship renewal denied”

if (gpa >= 3.0) {

System.out.println(“Scholarship renewal approved”);

} else {

System.out.println(“Scholarship renewal denied”);

}

1. Suppose that grades were ready to be assigned for a class and ***totalPoints*** is the variable containing points. The grades are assigned by the following table. Assume that variable *totalPoints* has been validated and is between 0 - 1600

|  |  |
| --- | --- |
| **Grade** | **Total Points** |
| A | 1440 to1600 |
| B | 1280 to 1439 |
| C | 1120 to 1279 |
| D | 960 to 1119 |
| F | 0 to 959 |

Write an if…else if statement that displays the appropriate letter grade on the screen.

if (totalPoints >= 1440) {

System.out.println(“A”);

} else if (totalPoints >= 1280) {

System.out.println(“B”);

} else if (totalPoints >= 1120) {

System.out.println(“C”);

} else if (totalPoints >= 960) {

System.out.println(“D”);

} else {

System.out.println(“F”);

}