

**LAB**

Thursday 6/26/2008

Write a program to determine a grade given a score that comes from the user. If the score is between 100 and 0, the program prints the grade accordingly. Otherwise, it prints "invalid score". Below is the criteria of the grade. The program runs until the input score is -1.

| Score          | Grade |
|----------------|-------|
| 100            | A+    |
| >= 90 && < 100 | A     |
| >= 80 && < 90  | B     |
| >= 70 && < 80  | C     |
| >=60 && < 70   | D     |
| < 60           | F     |

```
import java.io.*;

public class Grade
{
    public static void main (String args[]) throws IOException
    {
        int score, scaledScore;
        String ScoreInput;

        BufferedReader ReadGrade = new BufferedReader (new InputStreamReader
        (System.in));

        while (true)
        {
            System.out.print("Enter score: ");
            ScoreInput= ReadGrade.readLine();
            score= Integer.parseInt(ScoreInput);

            if (score > 100 || score <= -2)
            {
                System.out.println ("invalid score.");
                continue;
            }

            if (score == -1)
            {
                System.out.println("exit");
                break;
            }

            scaledScore = score / 10;

            switch (scaledScore)
```

```
        {
            case 10: System.out.println("A+"); break;
            case 9: System.out.println("A"); break;
            case 8: System.out.println("B"); break;
            case 7: System.out.println("C"); break;
            case 6: System.out.println("D"); break;
            default: System.out.println("F"); break;
        }
    }
}
```