

```
1 import java.util.Scanner;
2
3
4 public class GradeProblem {
5
6     /**
7      * @author mahmoudmahmoud
8      * @date Saturday, Feb, 22, 2020
9      * Code runs perfect, but it is un-readable / maintainable
10     * It has lots of if/else statements. Bad coding practice
11     */
12     public static void main(String[] args) {
13         System.out.println("Please Insert Your Name..");
14         Scanner scanner = new Scanner(System.in);
15         String userName = scanner.nextLine();
16
17         System.out.println("Please insert your marks..");
18         int mark = scanner.nextInt();
19
20         System.out.println("Welcome " + userName);
21
22         if(mark > 90) {
23             System.out.println("You grade is A");
24         } else {
25             if(mark > 80) {
26                 System.out.println("You grade is B");
27             } else {
28                 if(mark > 70) {
29                     System.out.println("You grade is C");
30                 } else {
31                     if(mark > 60) {
32                         System.out.println("You grade is D");
33                     } else {
34                         System.out.println("You grade is F");
35                     }
36                 }
37             }
38         }
39     }
40 }
41
42 }
```