

```
1 import java.util.Scanner;
2
3
4 public class GradeProgramSol3 {
5     /**
6      * @param args
7      * @author mahmoudmahmoud
8      * This program should works fine. it also includes input validation on input val
9      *
10     */
11     public static void main(String[] args) {
12
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         // Check input is valid
23         if(mark > 100 || mark < 0) {
24             System.out.println("The marks inserted are not valid, please try again");
25             System.exit(0);
26         }
27
28         if(mark > 90) {
29             System.out.println("You grade is A");
30             System.exit(0);
31         }
32
33         if(mark > 80) {
34             System.out.println("You grade is B");
35             System.exit(0);
36         }
37
38         if(mark > 70) {
39             System.out.println("You grade is C");
40             System.exit(0);
41         }
42
43         if(mark > 60) {
44             System.out.println("You grade is D");
45             System.exit(0);
```

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46         }
47
48         System.out.println("You grade is F");
49         System.exit(0);
50     }
51 }
52
```