# TutorialsInhand

JAVA PROGRAMS

# Java If Else Programs

## Java Grade Program

In this chapter of *java programs* tutorial, our task is to:

- accept marks of the user and
- find grade of the student.

To understand the programming logic for above scenario, you need to understand: **if-else-if staten in java**

## Java Grade Program

Given below is a *java program* to *find grade of a student using if else ladder* according to the percentage of marks obtained.

Consider the chart while coding:

TIH Grade Chart

| Marks | Grade |
| --- | --- |
| Marks>= 90 | A - Excellent |
| 90>Marks>=80 | B - Very Good |
| 80>Marks>=70 | C - Good |
| 70>Marks>=60 | D - Satisfactory |
| 60>Marks>=50 | E - Work Hard |
| 50>Marks>=40 | F - Just Passed |
| Marks<40 | Failed |

```
package TIHIfElsePrograms;

import java.util.Scanner;

public class TIHGrade {

        public static void main(String[] args) {

                Scanner scan = new Scanner(System.in);
                System.out.println("Enter percentage marks");
                double percentage = scan.nextDouble();

                if(percentage >= 90){
                        System.out.println("Excellent: Grade A");
                }else if(percentage < 90 && percentage >= 80){
                        System.out.println("Very Good: Grade B");
                }else if(percentage < 80 && percentage >= 70){
                        System.out.println("Good: Grade C");
                }else if(percentage < 70 && percentage >= 60){
                        System.out.println("Satisfactory: Grade D");
                }else if(percentage < 60 && percentage >= 50){
                        System.out.println("Work Hard: Grade E");
                }else if(percentage < 50 && percentage >= 40){
                        System.out.println("Just Passed: Grade F");
                }else {
                        System.out.println("Failed!");
                }
        }

}
```

**OUTPUT:**
Enter percentage marks
78
Good: Grade C

---

**Run** the above program again:

Enter percentage marks
90
Excellent: Grade A

> *Similarly enter different marks and calculate grade of the student.*

> *Write above program using **switch case** as well. Learn java program to find grade of a studer using switch case.*

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