

## JAVA PROGRAMS

# Java If Else Programs

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## 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 student using switch case.*

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