**Exercise**

Write a program which reads an exam result (eg 67) and determines its grade and prints on screen.

**Test Data**

55, 99

**Source Code**

**import** java.util.Scanner;

**public** **class** ExamGrade {

**public** **static** **void** main(String[] args) {

// Ray O'Connor - Income Tax prog

String Grade;

System.***out***.println("Enter exam result eg 67");

Scanner InputData=**new** Scanner(System.***in***);

**int** ExamResult=InputData.nextInt();

**if** (ExamResult < 50) {

Grade="Unsuccessful";

System.***out***.println("Grade = " + Grade);

}

**else** **if** ((ExamResult>49 && ExamResult <65)) {

Grade="Pass";

System.***out***.println("Grade = " + Grade);

}

**else** **if** ((ExamResult>64 && ExamResult <80)) {

Grade="Merit";

System.***out***.println("Grade = " + Grade);

}

**else** {

Grade="Distinction";

System.***out***.println("Grade = " + Grade);

}

}

}

**Efficient Code**

**public** **static** **void** main(String[] args) {

// Ray O'Connor - Income Tax prog

String Grade;

System.***out***.println("Enter exam result eg 67");

Scanner InputData=**new** Scanner(System.***in***);

**int** ExamResult=InputData.nextInt();

**if** (ExamResult < 50) {

Grade="Unsuccessful";

}

**else** **if** ((ExamResult>49 && ExamResult <65)) {

Grade="Pass";

}

**else** **if** ((ExamResult>64 && ExamResult <80)) {

Grade="Merit";

}

**else** {

Grade="Distinction";

}

System.***out***.println("Grade = " + Grade);

}

}