1. Write a Java program that assigns a grade based on the value of a test score: an ‘A’ for a score of 90% or above, a ‘B’ for a score of 80% or above, and so on.

class IfElseDemo {

public static void main(String[] args) {

int testscore = 76;

char grade;

if (testscore >= 90) {

grade = 'A';

} else if (testscore >= 80) {

grade = 'B';

} else if (testscore >= 70) {

grade = 'C';

} else if (testscore >= 60) {

grade = 'D';

} else {

grade = 'F';

}

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

}

}

1. Write a Java program that asks the user about his/her age and displays the one of following messages based on the age:

“User is 18 or younger”, “User is between 19 and 39”, or “User is 40 or older”

import java.util.\*;

class AgeRange{

public static void main (String[] args){

Scanner scan = new Scanner(System.in);

System.out.print ("Please enter your age: ");

int age = scan.nextInt();

/\* solution 1

if (age <= 18)

System.out.println ("User is 18 or younger");

else if (age < 40)

System.out.println ("User is between 19 and 39");

else

System.out.println ("User is 40 or above");

\*/

//Another solution

if (age <= 18)

System.out.println ("User is 18 or younger");

if (age >18 && age < 40)

System.out.println ("User is between 19 and 39");

if (age >= 40)

System.out.println ("User is 40 or above");

}

}