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**151458**

**LOOPS QUESTION 4**

import java.util.Scanner;

public class MaxNumberFinder {

public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

System.out.print("Enter the first number: ");

int num1 = scanner.nextInt();

System.out.print("Enter the second number: ");

int num2 = scanner.nextInt();

int maxNumber;

// Using Switch...Case to find the maximum number

switch (num1 > num2 ? 1 : (num1 < num2 ? 2 : 0)) {

case 1:

maxNumber = num1;

break;

case 2:

maxNumber = num2;

break;

default:

System.out.println("Both numbers are equal.");

return;

}

System.out.println("The maximum number is: " + maxNumber);

}

}