

9. Write a Java program that accepts three numbers and prints "All numbers are equal" if all three numbers are equal, "All numbers are different" if all three numbers are different and "Neither all are equal or different" otherwise.

Test Data

Input first number: 2564

Input second number: 3526

Input third number: 2456

Expected Output :

All numbers are different

```
import java.util.Scanner;
public class IfFunctionEx9 {

    public static void main(String[] args) {
        Scanner scnr = new Scanner(System.in);

        System.out.println("Input first number");
        int num1 = scnr.nextInt();
        System.out.println("Input second number");
        int num2 = scnr.nextInt();
        System.out.println("Input third number");
        int num3 = scnr.nextInt();

        if (num1==num2 & num2==num3 & num1==num3)
        {
            System.out.println("All numbers are equal");
        }
        else if ( num1 != num2 & num2 != num3 & num1 != num3)
        {
            System.out.println("All numbers are different");
        }
        else
        {
            System.out.println("Either all are equal or different");
        }
    }
}
```