

```

import java.util.Scanner;

public class Main {

    public static void main(String[] args) {

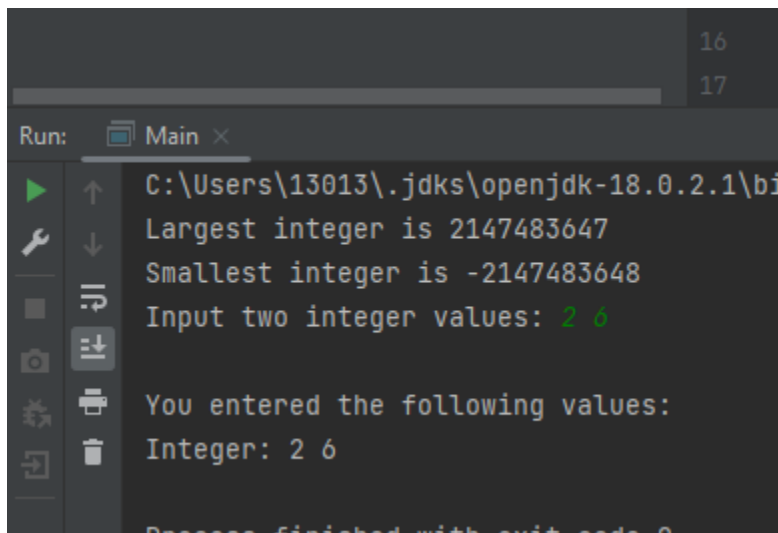
        Scanner scan = new Scanner(System.in);
        // variable declarations
        int i;
        int j;
        int result;

        System.out.println("Largest integer is "+Integer.MAX_VALUE);
        System.out.println("Smallest integer is "+Integer.MIN_VALUE);

        System.out.print("Input two integer values: ");
        i = scan.nextInt();
        j = scan.nextInt();

        System.out.println("\nYou entered the following values: ");
        System.out.println("Integer: "+ i + " " + j);
    }
}

```



Run: Main x

```

C:\Users\13013\.jdk\openjdk-18.0.2.1\bin\java.exe
Largest integer is 2147483647
Smallest integer is -2147483648
Input two integer values: 2 6
You entered the following values:
Integer: 2 6
Process finished with exit code 0

```

1. Discussion Q : What is the largest possible value of type **int**? Explain your answer using the information you read in the Background section.
 - a. The largest possible value of type **int** is 2147483647. This is because java can only handle a set number of values and if that number is not within that set number of values, it can cause errors and other issues within the program.