



OnlineGDB beta

online compiler and debugger for c/c++

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Main.java

```
1 import java.util.Scanner;
2
3 public class Main {
4     public static void main(String[] args) {
5         Scanner scanner = new Scanner(System.in);
6         System.out.println("Enter username1: ");
7         String username1 = scanner.nextLine();
8         System.out.println("Enter username2: ");
9         String username2 = scanner.nextLine();
10
11         if (isValidUsername(username1 == username2)) {
12             System.out.println("Valid username.");
13         } else {
14             System.out.println("Invalid username.");
15         }
16     }
17
18     public static boolean isValidUsername(String username) {
19         return username.matches("^[a-zA-Z0-9_]{5,20}$");
20     }
21 }
22
```

input

```
Enter username2:
sav
Invalid username.
```

```
...Program finished with exit code 0
Press ENTER to exit console.
```



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EligibleToVote.java

Run Debug Stop Share Save Beautify

Language Java

```
1 import java.util.Scanner;
2
3 public class EligibleToVote {
4     public static void main(String[] args) {
5         Scanner scanner = new Scanner(System.in);
6
7         System.out.print("Enter your age: ");
8         int age = scanner.nextInt();
9
10        if (age >= 18) {
11            System.out.println("You are eligible to vote.");
12        } else {
13            System.out.println("You are not eligible to vote.");
14        }
15
16        scanner.close();
17    }
18 }
19
```

input

Enter your age: 17
You are not eligible to vote.

...Program finished with exit code 0
Press ENTER to exit console.

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```
1 public class NumberTrianglePattern {
2     public static void main(String[] args) {
3         int rows = 4, num = 1;
4         for (int i = 1; i <= rows; i++) {
5             for (int j = 1; j <= rows - i; j++)
6                 System.out.print(" ");
7             for (int k = 1; k <= i; k++)
8                 System.out.print(num++ + " ");
9             System.out.println();
10        }
11    }
12 }
13
```

input

```
2 3
4 5 6
7 8 9 10
```

...Program finished with exit code 0
Press ENTER to exit console.

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```
1 import java.util.Arrays;
2
3 public class MandN{
4
5     public static int findMthMax(int[] nums, int m) {
6         Arrays.sort(nums);
7         return nums[nums.length - m];
8     }
9
10    public static int findNthMin(int[] nums, int n) {
11        Arrays.sort(nums);
12        return nums[n - 1];
13    }
14
15    public static void main(String[] args) {
16        int[] array = {78,16,87,36,25,89,18};
17        int m = 1;
18        int n = 3;
19
20        System.out.println("The " + m + "th maximum number is: " + findMthMax(array, m));
21        System.out.println("The " + n + "th minimum number is: " + findNthMin(array, n));
22    }
23 }
```

input

The 1th maximum number is: 89
The 3th minimum number is: 25

...Program finished with exit code 0
Press ENTER to exit console.



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Run Debug Stop Share Save {} Beautify Language Java

EligibleToVote.java : MandN.java : SimpleInterestCalc...

```
1 import java.util.Scanner;
2
3 public class SimpleInterestCalculator {
4     public static void main(String[] args) {
5         Scanner scanner = new Scanner(System.in);
6
7         System.out.print("Enter principal, rate, and time: ");
8         double p = scanner.nextDouble(), r = scanner.nextDouble(), t = scanner.nextDouble();
9
10        System.out.println("Simple Interest: " + (p * r * t) / 100);
11
12        scanner.close();
13    }
14 }
15
```

input

Enter principal, rate, and time: 20000 5 3
Simple Interest: 3000.0

...Program finished with exit code 0
Press ENTER to exit console.

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```
1 public class MatrixMultiplication {
2     public static void main(String[] args) {
3         int[][] matrix1 = {{1, 2, 3}, {4, 5, 6}, {7, 8, 9}};
4         int[][] matrix2 = {{9, 8, 7}, {6, 5, 4}, {3, 2, 1}};
5
6         int[][] result = new int[3][3];
7
8         for (int i = 0; i < 3; i++)
9             for (int j = 0; j < 3; j++)
10                 for (int k = 0; k < 3; k++)
11                     result[i][j] += matrix1[i][k] * matrix2[k][j];
12
13         for (int[] row : result) {
14             for (int num : row)
15                 System.out.print(num + " ");
16             System.out.println();
17         }
18     }
19 }
20
```

input

```
30 24 18
84 69 54
138 114 90
```

...Program finished with exit code 0
Press ENTER to exit console.