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online compiler and debugger for c/c++

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





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Language **Java** ▼  

Main.java ⋮

```
1 import java.util.Scanner;
2
3 public class Main {
4     public static void main(String[] args) {
5         int[][] matrix = new int[][]{{5, 5, 5}, {5, 5, 5}, {5, 5, 5}, {5, 5, 5}};
6
7         System.out.println("Output:");
8         for (int i = 0; i < matrix.length; i++) {
9             for (int j = 0; j < matrix[i].length; j++) {
10                 System.out.print(matrix[i][j] + " ");
11             }
12             System.out.println();
13         }
14     }
15 }
16
```

input

Output:  
5 5 5  
5 5 5  
5 5 5  
5 5 5  
...Program finished with exit code 0



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Language Java

Main.java

```
1 import java.util.Scanner;
2
3 public class Main {
4     public static void main(String[] args) {
5         byte[] values = new byte[10];
6
7         for (int i = 0; i < values.length; i++) {
8             values[i] = 1;
9         }
10
11        for (byte value : values) {
12            System.out.print(value + " ");
13        }
14    }
15 }
16
```

input

1 1 1 1 1 1 1 1 1 1

...Program finished with exit code 0

Press ENTER to exit console.





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Language Java



Numbers.java

```
1 import java.util.Scanner;
2
3 public class Numbers {
4     public static void main(String[] args) {
5         int[] scores = new int[9];
6         Scanner scanner = new Scanner(System.in);
7
8         System.out.println("enter 9 integers:");
9
10        for (int i = 0; i < 9; i++) {
11            scores[i] = scanner.nextInt();
12        }
13
14        System.out.println("numbers:");
15        for (int score : scores) {
16            System.out.print(score + " ");
17        }
18    }
19 }
20
```



input

```
enter 9 integers:
1 2 3 4 5 6 7 8 9
numbers:
1 2 3 4 5 6 7 8 9
```

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





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MatrixOperations.j...

```
1 import java.util.Scanner;
2
3 public class MatrixOperations {
4
5     public static void main(String[] args) {
6         Scanner scanner = new Scanner(System.in);
7         int[][] matA = new int[2][2];
8         int[][] matB = new int[2][2];
9
10        boolean running = true;
11
12        while (running) {
13            System.out.println("Menu:");
14            System.out.println("a. Enter Matrix A");
15            System.out.println("b. Enter Matrix B");
16            System.out.println("c. Display A + B");
17            System.out.println("d. Display A - B");
18            System.out.println("e. Display A * B");
19            System.out.println("f. Exit");
20            System.out.print("Choose an option: ");
21            String choice = scanner.nextLine().toLowerCase();
22
23            switch (choice) {
24                case "a":
25                    matA = enter(scanner, "A");
26                    break;
27                case "b":
28                    matB = enter(scanner, "B");
29                    break;
30                case "c":
31                    display(addMatrix(matA, matB), "A + B");
32                    break;
33                case "d":
34                    display(subMatrix(matA, matB), "A - B");
35                    break;
36                case "e":
37                    display(mulMatrix(matA, matB), "A * B");
```



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Language Java ▾



MatrixOperations.j... ⋮

```
36         case "e":
37             display(mulMatrix(matA, matB), "A * B");
38             break;
39         case "f":
40             running = false;
41             break;
42         default:
43             System.out.println("Invalid option, please try again.");
44     }
45 }
46
47 System.out.println("Exiting program.");
48 scanner.close();
49 }
50
51 public static int[][] enter(Scanner scanner, String matrixName) {
52     int[][] matrix = new int[2][2];
53     System.out.println("Enter values for Matrix " + matrixName + ":");
54     for (int i = 0; i < 2; i++) {
55         for (int j = 0; j < 2; j++) {
56             System.out.print("Element [" + (i + 1) + "][" + (j + 1) + "]: ");
57             matrix[i][j] = scanner.nextInt();
58         }
59     }
60     scanner.nextLine();
61     return matrix;
62 }
63
64 public static int[][] addMatrix(int[][] a, int[][] b) {
65     int[][] result = new int[2][2];
66     for (int i = 0; i < 2; i++) {
67         for (int j = 0; j < 2; j++) {
68             result[i][j] = a[i][j] + b[i][j];
69         }
70     }
71     return result;
72 }
```

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Language Java ▾



MatrixOperations.j... ⋮

```
68         result[i][j] = a[i][j] + b[i][j];
69     }
70 }
71 return result;
72 }
73
74 public static int[][] subMatrix(int[][] a, int[][] b) {
75     int[][] result = new int[2][2];
76     for (int i = 0; i < 2; i++) {
77         for (int j = 0; j < 2; j++) {
78             result[i][j] = a[i][j] - b[i][j];
79         }
80     }
81     return result;
82 }
83
84 public static int[][] mulMatrix(int[][] a, int[][] b) {
85     int[][] result = new int[2][2];
86     for (int i = 0; i < 2; i++) {
87         for (int j = 0; j < 2; j++) {
88             result[i][j] = a[i][0] * b[0][j] + a[i][1] * b[1][j];
89         }
90     }
91     return result;
92 }
93
94 public static void display(int[][] matrix, String operation) {
95     System.out.println("Result of " + operation + ":");
96     for (int[] row : matrix) {
97         for (int element : row) {
98             System.out.print(element + " ");
99         }
100        System.out.println();
101    }
102 }
103 }
104 }
```



input

```
Menu:
a. Enter Matrix A
b. Enter Matrix B
c. Display A + B
d. Display A - B
e. Display A * B
f. Exit
Choose an option: a
Enter values for Matrix A:
Element [1][1]: 1
Element [1][2]: 2
Element [2][1]: 3
Element [2][2]: 4
Menu:
a. Enter Matrix A
b. Enter Matrix B
c. Display A + B
d. Display A - B
e. Display A * B
f. Exit
Choose an option: b
Enter values for Matrix B:
Element [1][1]: 4
Element [1][2]: 3
Element [2][1]: 2
Element [2][2]: 1
Menu:
a. Enter Matrix A
b. Enter Matrix B
c. Display A + B
d. Display A - B
e. Display A * B
f. Exit
Choose an option: c
Result of A + B:
5 5
5 5
Menu:
```



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Main.java

```
1 import java.util.Scanner;
2
3 public class Main {
4     public static void main(String[] args) {
5         float[][] price = new float[10][3];
6         Scanner scanner = new Scanner(System.in);
7
8         for (int i = 0; i < 10; i++) {
9             System.out.println("Enter prices for product " + (i + 1) + ":");
10            for (int j = 0; j < 3; j++) {
11                price[i][j] = scanner.nextFloat();
12            }
13        }
14
15        System.out.println("Prices entered:");
16        for (int i = 0; i < 10; i++) {
17            System.out.print("Product " + (i + 1) + ": ");
18            for (int j = 0; j < 3; j++) {
19                System.out.print(price[i][j] + " ");
20            }
21            System.out.println();
22        }
23
24        scanner.close();
25    }
26 }
27
```



input

```
Product 7: 50.0 60.0 70.0
Product 8: 140.0 150.0 160.0
Product 9: 90.0 80.0 70.0
Product 10: 25.0 35.0 45.0
```

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



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input

```
11
12
15
Enter prices for product 6:
10
20
20
Enter prices for product 7:
50
60
70
Enter prices for product 8:
140
150
160
Enter prices for product 9:
90
80
70
Enter prices for product 10:
25
35
45
Prices entered:
Product 1: 10.0 15.0 20.0
Product 2: 20.0 30.0 40.0
Product 3: 100.0 150.0 200.0
Product 4: 110.0 120.0 130.0
Product 5: 11.0 12.0 15.0
Product 6: 10.0 20.0 20.0
Product 7: 50.0 60.0 70.0
Product 8: 140.0 150.0 160.0
Product 9: 90.0 80.0 70.0
Product 10: 25.0 35.0 45.0
```

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