Main.java

Share | Run

```java
import java.util.Scanner;

public class Main {
    public static void main(String[] args) {
        int[] score = new int[9];

        Scanner scanner = new Scanner(System.in);

        System.out.println("Enter 9 integer values:");

        for (int i = 0; i < 9; i++) {
            System.out.print("Enter value #" + (i + 1) + ": ");
            score[i] = scanner.nextInt();
        }
        scanner.close();
        System.out.println("\nThe values you entered are:");
        for (int i = 0; i < 9; i++) {
            System.out.println("Value #" + (i + 1) + ": " + score[i]);
        }
    }
}
```

Output | Clear

```
java -cp /tmp/BdiOdJV7ZF/Main
Enter 9 integer values:
Enter value #1: 6
Enter value #2: 5
Enter value #3: 5
Enter value #4: 8
Enter value #5: 7
Enter value #6: 9
Enter value #7: 1\
Enter value #8: 2
Enter value #9: 4

The values you entered are:
Value #1: 6
Value #2: 5
Value #3: 5
Value #4: 8
Value #5: 7
Value #6: 9
Value #7: 1
Value #8: 2
Value #9: 4

=== Code Execution Successful ===
```

Main.java

Share Run

```java
public class PriceArray {
    public static void main(String[] args) {

        float[][] price = new float[10][3];
        for (int i = 0; i < price.length; i++) {
            for (int j = 0; j < price[i].length; j++) {
                price[i][j] = (float) (i * j * 1.1);
            }
        }
        System.out.println("Values in the price array:");
        for (int i = 0; i < price.length; i++) {
            for (int j = 0; j < price[i].length; j++) {
                System.out.println("price[" + i + "][" + j + "] = " +
                    price[i][j]);
            }
        }
    }
}
```

Output Clear

```
java -cp /tmp/Kjo9lAetW7/PriceArray
Values in the price array:
price[0][0] = 0.0
price[0][1] = 0.0
price[0][2] = 0.0
price[1][0] = 0.0
price[1][1] = 1.1
price[1][2] = 2.2
price[2][0] = 0.0
price[2][1] = 2.2
price[2][2] = 4.4
price[3][0] = 0.0
price[3][1] = 3.3
price[3][2] = 6.6
price[4][0] = 0.0
price[4][1] = 4.4
price[4][2] = 8.8
price[5][0] = 0.0
price[5][1] = 5.5
price[5][2] = 11.0
price[6][0] = 0.0
price[6][1] = 6.6
price[6][2] = 13.2
price[7][0] = 0.0
price[7][1] = 7.7
price[7][2] = 15.4
price[8][0] = 0.0
price[8][1] = 8.8
```

Main.java

Share | Run

```java
public class MatrixArray {
    public static void main(String[] args) {
        long[][] matrix = new long[4][3];

        for (int i = 0; i < matrix.length; i++) {
            for (int j = 0; j < matrix[i].length; j++) {
                matrix[i][j] = 5;
            }
        }

        System.out.println("Values in the matrix array:");
        for (int i = 0; i < matrix.length; i++) {
            for (int j = 0; j < matrix[i].length; j++) {
                System.out.println("matrix[" + i + "][" + j + "] = " +
                    matrix[i][j]);
            }
        }
    }
}
```

Output | Clear

```
java -cp /tmp/osoYF8N6p8/MatrixArray
Values in the matrix array:
matrix[0][0] = 5
matrix[0][1] = 5
matrix[0][2] = 5
matrix[1][0] = 5
matrix[1][1] = 5
matrix[1][2] = 5
matrix[2][0] = 5
matrix[2][1] = 5
matrix[2][2] = 5
matrix[3][0] = 5
matrix[3][1] = 5
matrix[3][2] = 5

=== Code Execution Successful ===
```

Main.java

Share

Run

Output

Clear

```java
public class ByteArray {
    public static void main(String[] args) {
        byte[] values = new byte[10];

        for (int i = 0; i < values.length; i++) {
            values[i] = 1;
        }

        System.out.println("Values in the byte array:");
        for (int i = 0; i < values.length; i++) {
            System.out.println("values[" + i + "] = " + values[i]);
        }
    }
}
```

```
java -cp /tmp/pWD1I9k2zD/ByteArray
Values in the byte array:
values[0] = 1
values[1] = 1
values[2] = 1
values[3] = 1
values[4] = 1
values[5] = 1
values[6] = 1
values[7] = 1
values[8] = 1
values[9] = 1

=== Code Execution Successful ===
```

6.Without typing in the code determine the output of the following program. int[][] num = {{3,3,3},{2,2,2}}; Int[] array = {4,3,2}; for(int i = 0; i < 3; i++){ num[1][i] = num[0][i]+array[i]; }for(int i = 0; i < 2; i++){ for(int j = 0; j < 3; j++){ System.out.print(num[i][j]); } System.out.println(); }

Output:

333

765

Without typing in the code determine the output of the following program. int num[] = {7,7,6,6,5,5,4,4};
for(int i = 0; i < 8; i = i + 2) System.out.print(num[i]);

Output

7654

Main.java

Share Run

```java
import java.util.Scanner;

public class TestScores {
    public static void main(String[] args) {
        Scanner scanner = new Scanner(System.in);
        int[] scores = new int[5];
        int sum = 0;
        for (int i = 0; i < 5; i++) {
            System.out.print("Enter score for test " + (i + 1) + ": ");
            scores[i] = scanner.nextInt();
            sum += scores[i];
        }
        double average = sum / 5.0;
        System.out.println("The average score is: " + average);
    }
}
```

Output Clear

```
java -cp /tmp/VPdFXBew4G/TestScores
Enter score for test 1: 5
Enter score for test 2: 6
Enter score for test 3: 8
Enter score for test 4: 4
Enter score for test 5: 2
The average score is: 5.0

=== Code Execution Successful ===
```