

Main.java



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Run

Output

```
1- import java.util.Scanner;
2
3- public class IncomeTaxCalculator {
4-     public static void main(String[] args) {
5-         Scanner scanner = new Scanner(System.in);
6
7-         System.out.print("Enter your taxable income: ");
8-         double taxableIncome = scanner.nextDouble();
9
10-        double tax = 0;
11
12-        if (taxableIncome <= 150000) {
13-            System.out.println("No tax payable.");
14-        } else if (taxableIncome > 150000 && taxableIncome <= 300000) {
15-            tax = (taxableIncome - 150000) * 0.1;
16-            System.out.println("Tax payable: " + tax);
17-        } else if (taxableIncome > 300000 && taxableIncome <= 500000) {
18-            tax = 15000 + (taxableIncome - 300000) * 0.2;
19-            System.out.println("Tax payable: " + tax);
20-        } else if (taxableIncome > 500000) {
21-            tax = 55000 + (taxableIncome - 500000) * 0.3;
22-            System.out.println("Tax payable: " + tax);
23-        }
24
25-        scanner.close();
26-    }
27- }
```

```
java -cp /tmp/0cVorBEMvQ/IncomeTaxCalculator
```

```
Enter your taxable income: 100000000
```

```
Tax payable: 2.9905E7
```

```
=== Code Execution Successful ===3
```

Main.java	<div><div></div><div></div><div>Share</div><div>Run</div></div>	Output
<pre>15 for (int i = 0; i < scanner.nextInt(); i++) { 16 numbers[i] = scanner.nextInt(); 17 } 18 19 // Get the value of N from the user 20 System.out.print("Enter the value of N: "); 21 int n = scanner.nextInt(); 22 23 // Find the Nth largest number 24 int nthLargest = findNthLargest(numbers, n); 25 26 // Display the result 27 System.out.println(n + "th Largest number: " + nthLargest); 28 29 scanner.close(); 30 } 31 32 public static int findNthLargest(int[] arr, int n) { 33 // Sort the array in descending order 34 Arrays.sort(arr); 35 Arrays.sort(arr); 36 Arrays.sort(arr); 37 Arrays.sort(arr); 38 39 // Return the (n-1)th element (since arrays are zero-indexed) 40 return arr[arr.length - n]; 41 } 42 }</pre>	<pre>java -cp /tmp/OFCiUVyqKm/NthLargestNumber Enter the size of the array: 5 Enter the array elements: 1 2 3 4 5 Enter the value of N: 3 3th Largest number: 3 === Code Execution Successful ===</pre>	

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```
1 import java.util.Scanner;
2
3 public class SpecialCharacters {
4     public static void main(String[] args) {
5         Scanner scanner = new Scanner(System.in);
6
7         System.out.print("Enter the statement: ");
8         String statement = scanner.nextLine();
9
10        int specialCharacters = 0;
11
12        for (int i = 0; i < statement.length(); i++) {
13            char ch = statement.charAt(i);
14            if (!Character.isLetterOrDigit(ch)) {
15                specialCharacters++;
16            }
17        }
18
19        System.out.println("Number of special characters: " +
20            specialCharacters);
21
22        scanner.close();
23    }
24 }
```

```
java -cp /tmp/B6JsJe0Egc/SpecialCharacters
Enter the statement: this is night
Number of special characters: 3

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

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```
1 import java.util.Scanner;
2
3 public class StudentGrade {
4     public static void main(String[] args) {
5         Scanner scanner = new Scanner(System.in);
6
7         System.out.print("Enter the marks in Python: ");
8         int pythonMarks = scanner.nextInt();
9
10        System.out.print("Enter the marks in C Programming: ");
11        int cMarks = scanner.nextInt();
12
13        System.out.print("Enter the marks in Mathematics: ");
14        int mathsMarks = scanner.nextInt();
15
16        System.out.print("Enter the marks in Physics: ");
17        int physicsMarks = scanner.nextInt();
18
19        int totalMarks = pythonMarks + cMarks + mathsMarks + physicsMarks;
20        double aggregate = (double) totalMarks / 4;
21
22        System.out.println("Total = " + totalMarks);
23        System.out.println("Aggregate = " + aggregate);
24
25        if (aggregate >= 75) {
26            System.out.println("DISTINCTION");
27        } else if (aggregate >= 60 && aggregate < 75) {
28            System.out.println("FIRST DIVISION");
```

```
java -cp /tmp/AzM5HShMGY/StudentGrade
Enter the marks in Python: 100
Enter the marks in C Programming: 100
Enter the marks in Mathematics: 100
Enter the marks in Physics: 100
Total = 400
Aggregate = 100.0
DISTINCTION
```

=== Code Execution Successful ===