

Package Explorer

- Helloworld
 - JRE System Library [JavaSE-17]
 - src
 - (default package)
 - Helloworld.java
 - Solution.java

Outline

- Solution
 - main(String[]): void

```
1 //Q.1 Write a Java program to find the value of specified expression.
2
3 public class Solution {
4     public static void main(String[] args) {
5         int r1 = (101 + 0) / 3;
6         double r2 = 3.0e-6 * 10000000.1;
7         boolean r3 = true && true;
8         boolean r4 = false && true;
9         boolean r5 = (false && false) || (true && true);
10        boolean r6 = (false || false) && (true && true);
11
12        System.out.println("(101 + 0) / 3-> " + r1);
13        System.out.println("3.0e-6 * 10000000.1-> " + r2);
14        System.out.println("true && true-> " + r3);
15        System.out.println("false && true-> " + r4);
16        System.out.println("((false && false) || (true && true))-> " + r5);
17        System.out.println("(false || false) && (true && true)-> " + r6);
18    }
19 }
```

Problems @ Javadoc Declaration Console

<terminated> Solution [Java Application] C:\Program Files\Java\jdk-17.0.4\bin\javaw.exe (18-Aug-2022, 4:29:28 pm - 4:29:33 pm) [pid: 19864]

```
(101 + 0) / 3-> 33
(3.0e-6 * 10000000.1)-> 30.0000003
(true && true)-> true
(false && true)-> false
((false && false) || (true && true))-> true
(false || false) && (true && true)-> false
```

eclipse-workspace - Helloworld/src/minutes.java - Eclipse IDE

File Edit Source Refactor Navigate Search Project Run Window Help

Package Explorer

Helloworld
JRE System Library [JavaSE-17]
src

```
1 //Q.2 Write a Java program to convert minutes into a number of years and days.
2
3
4 import java.util.Scanner;
5 public class minutes {
6
7     public static void main(String[] Strings) {
8
9
10         double minutesInYear = 60 * 24 * 365;
11
12         Scanner input = new Scanner(System.in);
13
14         System.out.print("Input the number of minutes: ");
15
16         double min = input.nextDouble();
17
18         long years = (long) (min / minutesInYear);
19         int days = (int) (min / 60 / 24) % 365;
20
21         System.out.println((int) min + " minutes is approximately " + years + " years and " + days + " days");
22     }
23 }
24
```

Problems Javadoc Declaration Console

<terminated> minutes [Java Application] C:\Program Files\Java\jdk-17.0.4\bin\javaw.exe (18-Aug-2022, 4:33:30 pm - 4:34:02 pm) [pid: 15728]

Input the number of minutes: 3456789
3456789 minutes is approximately 6 years and 210 days

Type here to search



35°C 16:35 18.08.2022

eclipse-workspace - Helloworld/src/calculation.java - Eclipse IDE

File Edit Source Refactor Navigate Search Project Run Window Help

Package Explorer X
Helloworld
JRE System Library [JavaSE-17]
src

```
1 /*Q.3 Write a Java program that accepts two integers from the user and then  
2 prints the sum, the difference, the product, the average, the distance (the  
3 difference between integer), the maximum (the larger of the two integers), the  
4 minimum (smaller of the two integers)*/  
5  
6 import java.util.Scanner;  
7 public class calculation {  
8  
9     public static void main(String[] args)  
10    {  
11        Scanner in = new Scanner(System.in);  
12        System.out.print("Input 1st integer: ");  
13        int firstInt = in.nextInt();  
14        System.out.print("Input 2nd integer: ");  
15        int secondInt = in.nextInt();  
16  
17        System.out.printf("Sum of two integers: %d\n", firstInt + secondInt);  
18        System.out.printf("Difference of two integers: %d\n", firstInt - secondInt);  
19        System.out.printf("Product of two integers: %d\n", firstInt * secondInt);  
20        System.out.printf("Average of two integers: %.2f\n", (double) (firstInt + secondInt) / 2);  
21        System.out.printf("Distance of two integers: %d\n", Math.abs(firstInt - secondInt));  
22        System.out.printf("Max integer: %d\n", Math.max(firstInt, secondInt));  
23        System.out.printf("Min integer: %d\n", Math.min(firstInt, secondInt));  
24    }  
25 }
```

Problems Javadoc Declaration Console X
<terminated> calculation [Java Application] C:\Program Files\Java\jdk-17.0.4\bin\javaw.exe (18-Aug-2022, 4:37:33 pm - 4:37:52 pm) [pid: 26088]
Input 1st integer: 25
Input 2nd integer: 5
Sum of two integers: 30
Difference of two integers: 20
Product of two integers: 125
Average of two integers: 15.00
Distance of two integers: 20
Max integer: 25
Min integer: 5

Type here to search



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Package Explorer

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 - JRE System Library [JavaSE-17]
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 - (default package)
 - calculation.java
 - Helloworld.java
 - minutes.java
 - sequence.java
 - Solution.java

Outline

- sequence
 - main(String[])

```
1 //1.4 Write a Java program to break an integer into a sequence of individual digits.
2
3 import java.util.Scanner;
4 public class sequence {
5
6     public static void main(String[] args)
7     {
8         Scanner in = new Scanner(System.in);
9         System.out.print("Input six digits: ");
10        int input = in.nextInt();
11        int n1 = input / 100000 % 10;
12        int n2 = input / 10000 % 10;
13        int n3 = input / 1000 % 10;
14        int n4 = input / 100 % 10;
15        int n5 = input / 10 % 10;
16        int n6 = input % 10;
17        System.out.println(n1 + " " + n2 + " " + n3 + " " + n4 + " " + n5 + " " + n6);
18    }
19 }
20
21
```

Problems Javadoc Declaration Console

<terminated> sequence [Java Application] C:\Program Files\Java\jdk-17.0.4\bin\javaw.exe (18-Aug-2022, 4:42:10 pm – 4:42:15 pm) [pid: 26016]

Input six digits: 123456

1 2 3 4 5 6