

eclipse-workspace - Helloworld Java/src/Operator/Sequence.java - Eclipse IDE

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Project Explorer

- Helloworld Java
  - JRE System Library [JavaSE-17]
  - src
    - Operator
      - Arithmeticop.java
      - Calculation.java
      - minutes.java
      - Operation.java
      - package-info.java
      - Sequence.java
      - Solution.java
      - Userinput.java

Outline

- Operator
  - Sequence
    - main(String[]): void

```
1 package Operator;
2
3 import java.util.Scanner;
4
5 public class Sequence {
6
7     public static void main(String[] args) {
8         try (Scanner sc = new Scanner (System.in)) {
9             System.out.print(" Input six Digits: ");
10             int a = sc.nextInt();
11             int n1 = (a/100000)%10;
12             int n2 = (a/10000)%10;
13             int n3 = (a/1000)%10;
14             int n4 = (a/100)%10;
15             int n5 = (a/10)%10;
16             int n6 = a%10;
17             System.out.println(n1+ " "+n2+ " "+n3+ " "+n4+ " "+n5+ " "+n6);
18         }
19     }
20 }
21
22
23
```

Markers Properties Servers Data Source Explorer Snippets Terminal Console

<terminated> Sequence [Java Application] C:\Program Files\Java\jdk-18.0.2\bin\javaw.exe (19-Aug-2022, 5:14:30 am – 5:14:43 am) [pid: 19580]

Input six Digits: 123456

Operator.Sequence.java - Helloworld Java/src

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33°C 05:15 AM 19-08-2022

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

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Outline

- Operator
  - minutes
    - main(String[]): void

```
1 // Write a Java program to convert minutes into a number of years and days.
2
3 package Operator;
4
5 import java.util.Scanner;
6
7 public class minutes {
8
9     public static void main(String[] args) {
10
11         double minutesInYear= 60*24*365;
12
13         Scanner input = new Scanner(System.in);
14
15         System.out.print(" Input the number of minutes: ");
16
17         double min = input.nextDouble();
18
19         long years =(long) (min/minutesInYear);
20         int days =(int) (min/60/24)%365;
21
22         System.out.print((int)min+" minutes is approximately " +years+" years and "+days+"
23
24     }
25
26 }
```

Markers Properties Servers Data Source Explorer Snippets Terminal Console

<terminated> minutes [Java Application] C:\Program Files\Java\jdk-18.0.2\bin\javaw.exe (19-Aug-2022, 5:16:04 am - 5:16:13 am) [pid: 8224]

Input the number of minutes: 6789000

6789000 minutes is approximately 12 years and 334 days

Operator.minutes.java - Helloworld Java/src

Project Explorer: Helloworld Java, JRE System Library [JavaSE-17], src, Operator, Arithmeticop.java, Calculation.java, minutes.java, Operation.java, package-info.java, Sequence.java, Solution.java, Userinput.java

Outline: Operator, Solution, main(String[]) : void

```
1 package Operator;
2
3 public class Solution {
4
5     public static void main(String[] args) {
6
7         int r1 = (101+0)/3;
8         double r2 = 3.0e-6*10000000.1;
9         boolean r3 = true && true;
10        boolean r4 = false && true;
11        boolean r5 = (false && false) || (true && true);
12        boolean r6 = (false || false) && (true && true);
13
14        System.out.println("(101+0)/3->" + r1);
15        System.out.println("(3.0e-6*10000000.1)->" + r2);
16        System.out.println("(true && true)->" + r3);
17        System.out.println("(false && true)->" + r4);
18        System.out.println("((false && false) || (true && true))->" + r5);
19        System.out.println("((false || false) && (true && true))->" + r6);
20        System.out.println();
21    }
22 }
23
24 }
25
```

Console: <terminated> Solution [Java Application] C:\Program Files\Java\jdk-18.0.2\bin\javaw.exe (19-Aug-2022, 5:16:30 am - 5:16:31 am) [pid: 12200]

```
(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 Java/src/Operator/Calculation.java - Eclipse IDE

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Operation.java

```
1 Operator;  
2  
3 java.util.Scanner;  
4  
5 class calculation {  
6  
7 @ic static void main(String[] args) {  
8 // creating scanner class  
9 Scanner in = new Scanner (System.in); // System.in is a standard input stream  
10 System.out.print(" Input 1st integer: ");  
11 int firstInt= in.nextInt();  
12 System.out.print(" Input 2nd integer: ");  
13 int SecondInt= in.nextInt();  
14  
15 System.out.printf("The sum two integers: %d\n", firstInt+SecondInt);  
16 System.out.printf("The Difference of two integers: %d\n ",firstInt-SecondInt);  
17 System.out.printf("The Product of two integers: %d\n ",firstInt*SecondInt);  
18 System.out.printf("The Average of two integers: %.2f\n", (double)(firstInt+SecondInt)/2);  
19 System.out.printf("The Distance of two integers: %d\n",Math.abs(firstInt-SecondInt));  
20 System.out.printf("The Max integer: %d\n",Math.max(firstInt,SecondInt));  
21 System.out.printf("The Min integer: %d\n",Math.min(firstInt,SecondInt));  
22  
23  
24  
25
```

Outline

- Operator
- Calculation
  - main(String[]) : void

Markers Properties Servers Data Source Explorer Snippets Terminal Console

<terminated> Calculation [Java Application] C:\Program Files\Java\jdk-18.0.2\bin\javaw.exe (19-Aug-2022, 5:16:43 am – 5:16:53 am) [pid: 16736]

```
| Input 1st integer: 25  
| Input 2nd integer: 5  
The sum two integers: 30  
The Difference of two integers: 20  
The Product of two integers: 125  
The Average of two integers: 15.00  
The Distance of two integers: 20  
The Max integer: 25  
The Min integer: 5
```

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Calculation.java

```
1 package Operator;
2
3 import java.util.Scanner;
4
5 public class Calculation {
6
7     public static void main(String[] args) {
8         // creating scanner class
9         Scanner in = new Scanner (System.in); // System.in is a standard input stream
10        System.out.print(" Input 1st integer: ");
11        int firstInt= in.nextInt();
12        System.out.print(" Input 2nd integer: ");
13        int SecondInt= in.nextInt();
14
15        System.out.printf("The sum two integers: %d\n", firstInt+SecondInt);
16        System.out.printf("The Difference of two integers: %d\n ",firstInt-SecondInt);
17        System.out.printf("The Product of two integers: %d\n ",firstInt*SecondInt);
18        System.out.printf("The Average of two integers: %.2f\n", (double)(firstInt+SecondInt)/2);
19        System.out.printf("The Distance of two integers: %d\n",Math.abs(firstInt-SecondInt));
20        System.out.printf("The Max integer: %d\n",Math.max(firstInt,SecondInt));
21        System.out.printf("The Min integer: %d\n",Math.min(firstInt,SecondInt));
22
23    }
24 }
25
```

Outline

- Operator
  - Calculation
    - main(String[]): void

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```
Input 1st integer: 25
Input 2nd integer: 5
The sum two integers: 30
The Difference of two integers: 20
The Product of two integers: 125
The Average of two integers: 15.00
The Distance of two integers: 20
The Max integer: 25
The Min integer: 5
```

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