

LAB Session WEEK 2 (18th august 22)

Q.1 Write a Java program to find the value of specified expression.

- a) $101 + 0) / 3$
- b) $3.0e-6 * 10000000.1$
- c) `true && true`
- d) `false && true`
- e) `(false && false) || (true && true)`
- f) `(false || false) && (true && true)`

Expected Output:

$(101 + 0) / 3 \rightarrow 33$

$(3.0e-6 * 10000000.1) \rightarrow 30.0000003$

`(true && true) \rightarrow true`

`(false && true) \rightarrow false`

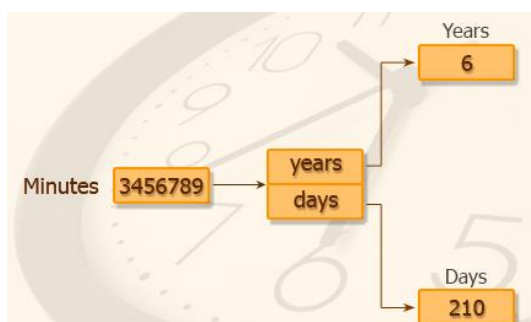
`((false && false) || (true && true)) \rightarrow true`

`(false || false) && (true && true) \rightarrow false`

Q.2 Write a Java program to convert minutes into a number of years and days.

Test Data

Input the number of minutes: 3456789



Q.3 Write a Java program that accepts two integers from the user and then prints the sum, the difference, the product, the average, the distance (the difference between integer), the maximum (the larger of the two integers), the minimum (smaller of the two integers).

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Test Data

Input 1st integer: 25

Input 2nd integer: 5

Expected Output:

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

Q.4 Write a Java program to break an integer into a sequence of individual digits.

Sample Input – 123456

Sample output – 1 2 3 4 5 6