

~\OneDrive - VietNam National University - HCM INTERNATIONAL UNIVERSITY\Desktop\DSA\DSA LAB NEW\Lab 1  
OOP Reviews & Arrays\ITITSB22029\_DoMinhDuy\_Lab1\Problem 1\Problem 1.i\Main.java

```
1 // Write a function to convert array to number
2 // Suppose we have loaded an array with the digits of an integer, where the highest power is
  kept in position 0, next highest in position 1, and so on.
3 // The ones position is always at position array.Length - 1:
4 // int[] digits = {2, 0, 1, 8};
5 // 0*10+x1 then x1 is the first element of the array
6 // 0*10+x2 then x2 is the second element of the array
7
8 public class Main {
9     public static int arrayToNumber(int[] digits) {
10         int result = 0;
11         for (int i = 0; i < digits.length; i++) {
12             result = result * 10 + digits[i];
13         }
14         return result;
15     }
16
17     public static void main(String[] args) {
18         int[] digits = { 2, 0, 1, 8 };
19         int number = arrayToNumber(digits);
20         System.out.println("Number: " + number); // Output: 2018
21     }
22 }
```

