

JAVA EXAMPLES - MATCHING PHONE NUMBERS

http://www.tutorialspoint.com/javaexamples/regular_phno.htm

Copyright © tutorialspoint.com

Problem Description:

How to match phone numbers in a list?

Solution:

Following example shows how to match phone numbers in a list to a particular pattern by using `phone.matches(phoneNumberPattern)` method.

```
public class MatchPhoneNumber {
    public static void main(String args[]) {
        isPhoneValid("1-999-585-4009");
        isPhoneValid("999-585-4009");
        isPhoneValid("1-585-4009");
        isPhoneValid("585-4009");
        isPhoneValid("1.999-585-4009");
        isPhoneValid("999 585-4009");
        isPhoneValid("1 585 4009");
        isPhoneValid("111-Java2s");
    }
    public static boolean isPhoneValid(String phone) {
        boolean retval = false;
        String phoneNumberPattern =
            "(\\d-)?(\\d{3}-)?\\d{3}-\\d{4}";
        retval = phone.matches(phoneNumberPattern);
        String msg = "NO MATCH: pattern:" + phone
            + "\\r\\n regex: " + phoneNumberPattern;
        if (retval) {
            msg = " MATCH: pattern:" + phone
                + "\\r\\n regex: " + phoneNumberPattern;
        }
        System.out.println(msg + "\\r\\n");
        return retval;
    }
}
```

Result:

The above code sample will produce the following result.

```
MATCH: pattern:1-999-585-4009
      regex: (\\d-)?(\\d{3}-)?\\d{3}-\\d{4}
MATCH: pattern:999-585-4009
      regex: (\\d-)?(\\d{3}-)?\\d{3}-\\d{4}
MATCH: pattern:1-585-4009
      regex: (\\d-)?(\\d{3}-)?\\d{3}-\\d{4}
NOMATCH: pattern:1.999-585-4009
      regex: (\\d-)?(\\d{3}-)?\\d{3}-\\d{4}
NOMATCH: pattern:999 585-4009
      regex: (\\d-)?(\\d{3}-)?\\d{3}-\\d{4}
NOMATCH: pattern:1 585 4009
      regex: (\\d-)?(\\d{3}-)?\\d{3}-\\d{4}
NOMATCH: pattern:111-Java2s
      regex: (\\d-)?(\\d{3}-)?\\d{3}-\\d{4}
```

Loading [Mathjax]/jax/output/HTML-CSS/fonts/TeX/fontdata.js