

Code for RegEx

Input Lines

9:58,Added,Queue,18762

9:58,Added,Queue,18762

10:23,Added,Queue,7432e01

10:23,Added,Queue,7432e01

10:53,"Removed","Queue","7432e01"

10:53,\"Removed\", \"Queue\", \"7432e01\"

10:53,"Removed","Queue","7432e01"

'11:01',\"Logged Out\",

Pattern

^(['']?)\d\d:\d\d\1,(['']?) [A-Z]\w+\2,.*\$

^([\\"']?)\\d\\d:\\d\\d\\1, ([\\"']?) [A-Z]\\w+\\2,.*\$'

Notice the extra back slashes put in each text for writing in java code.

Code:

```
import java.util.regex.Matcher;
import java.util.regex.Pattern;

public class trial {

    public static void main(String[] args) {
        String patt = "^([\"']?)\\d\\d:\\d\\d:\\d\\d\\1, ([\"']?) [A-Z]\\w+\\2,.*$" ;
        Pattern p = Pattern.compile(patt);
        String[] line = {"9:58,Added,Queue,18762",
                        "10:23,Added,Queue,7432e01",
                        "10:53,\"Removed\", \"Queue\", \"7432e01\"",
                        "'11:01', \"Logged Out\", \"\"};
        int i = 0;
        System.out.println("Pattern : "+patt);
        while(i<4){
            Matcher m = p.matcher(line[i]);
            if(m.matches()){
                System.out.println("(TRUE) This pattern completely matches line "+(i+1));
                System.out.println("Group 0 : "+ m.group(0));
                System.out.println("Group 1 : "+ m.group(1));
                System.out.println("Group 2 : "+ m.group(2));
            }else
                System.out.println("(FALSE) This pattern doesnot matches line "+(i+1));
            System.out.println(line[i]);
            i++;
        }
    }
}
```

Output:

Beginning of line
group 1 - reluctant quant.
4 digits with a colon
Greedy quantifiers
End of line

```
Pattern : ^(['']?)\d\d:\d\d\1,(['']?) [A-Z]\w+\2,.*$
(FALSE) This pattern doesnot matches line 1
9:58,Added,Queue,18762
(TRUE) This pattern completely matches line 2
Group 0 : 10:23,Added,Queue,7432e01
Group 1 :
Group 2 :
10:23,Added,Queue,7432e01
(TRUE) This pattern completely matches line 3
Group 0 : 10:53,"Removed","Queue","7432e01"
Group 1 :
Group 2 : "
10:53,"Removed","Queue","7432e01"
(FALSE) This pattern doesnot matches line 4
'11:01',"Logged Out",
```

```
Pattern : ^(['']?)\d\d:\d\d\1,(['']?) [A-Z]\w+\2,.*$
(FALSE) This pattern doesnot matches line 1
9:58,Added,Queue,18762
(TRUE) This pattern completely matches line 2
Group 0 : 10:23,Added,Queue,7432e01
Group 1 :
Group 2 :
10:23,Added,Queue,7432e01
(TRUE) This pattern completely matches line 3
Group 0 : 10:53,"Removed","Queue","7432e01"
Group 1 :
Group 2 : "
10:53,"Removed","Queue","7432e01"
(FALSE) This pattern doesnot matches line 4
'11:01',"Logged Out",
```
