

```
/**
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 * Exercise 05
 */
```

5.2

Source Code

Split.java

```
import java.util.ArrayList;
import java.util.List;

public class Split {
    public static int index(char[] a, char[] b) {
        int k = -1;
        flag:
        for (int c = 0; c < a.length; c++) {
            for (int i = 0; i < b.length; i++) {
                if (a[c] == b[i]) {
                    k = c;
                    break flag;
                }
            }
        };
        return k;
    }

    public static void main(String args[]) {
        String s = new String("a?b?gf#e");//修改此处
        String redex = new String("[?#]");//修改此处
        if (redex.length() > 1)
            redex = redex.substring(1, redex.length() - 1);
        List<String> str = new ArrayList<String>();
        int index = index(s.toCharArray(), redex.toCharArray());
        if (index != -1)
            do {
                if (index != 0)
                    str.add(s.substring(0, index));
                str.add(s.substring(index, index + 1));
                s = s.substring(index + 1, s.length());
                index = index(s.toCharArray(), redex.toCharArray());
            } while (index != -1);
        str.add(s);
        //return str.toArray(new String[str.size()]); //这就是应该返回
        的字符串数组
    }
}
```

```
        for (int i = 0; i < str.size(); i++) {  
            System.out.println(str.toArray(new  
String[str.size()])[i]);  
        }  
    }  
}
```

Result

Demo1:

```
split("ab#12#453","#")  
String[]={ab,#,12,#,453}
```

Demo2:

```
split("a?b?gf#e" ,"[?#]")  
String[]={a,?,b,?,gf,#,e}
```