

```
package filters;

import java.io.File;

import javax.swing.filechooser.FileFilter;
/**
 * Class Used to inherit from it to create the file filters.
 * @author Sergio Alcocer
 */
public class Filter extends FileFilter {
    private String extension;
    private String description;
    protected Filter(String _extension, String _description){
        extension = _extension;
        description = _description;
    }

    /**
     * @param arg0 File to check visibility
     * @return true if the file passes the test
     */
    public boolean accept(File arg0) {
        String fileName = arg0.getName();
        if(arg0.isDirectory()) return true;
        else{
            return compareExt(fileName,extension);
        }
    }
    /**
     * @return String with the description to show in the filter list
     */
    public String getDescription() {
        return new String(description + " (*.\" + extension + \")");
    }

    /**
     * Given a filename and an extension, return if they matches
     * @param _fullName filename
     * @param _extension extension
     */
}
```

```
* @return true if they match, false otherwise
*/
public static boolean compareExt(String _fullName, String _extension){
    int position = _fullName.lastIndexOf('.');
    if (position != -1){
        return _fullName.substring(position+1, _fullName.length()).equalsIgnoreCase(_extension);
    }else{
        return false;
    }
}
}
```