Java Comment Stripper Bugs   **Lucas Cook**

1. When the Stripper.java reaches a * it expects a / to end the block comment. This is where the bug occurs. If there happens to be a second star the state gets changed to INCOMMENT. This causes everything after the second star to be considered the inner contents of a comment. To fix this I added a case within FOUNDSTAR that sets the state back to FOUNDSTAR after another consecutive *.

Updated foundstar function
```java
private States foundstar(char ch) {
    switch (ch) {
        case '/':
            return States.INCODE;
        case '*':
            return States.FOUNDSTAR;
        default:
            return States.INCOMMENT;
    }
}
```

2. Another bug I found is that the program does not check to see if the file submitted is a .java file. To fix this I performed a regular expression check to verify that the user entered a .java file.

Validate Function
```java
private static Pattern fileExtnPtrn = Pattern.compile("([^\\s]+(\\.(?i)(java))$)");
public static boolean validateFileExtn(String s){
    Matcher mtch = fileExtnPtrn.matcher(s);
    if(mtch.matches()){
        return true;
    }
    return false;
}
```

File Extension Check
```java
if(validateFileExtn(fn) == true){
    fs = new InputStreamReader(new FileInputStream(fn));
    while ((r =  fs.read()) != -1)
        myStripper.process((char)r);
}else{
    System.out.println("Please enter a .java file next time...");
}
```