

Problem 1

1) {SLASH}{STAR}{.}{*}{STAR}{SLASH}

INCORRECT : Doesn't accept characters with newline

- **Disallowed Good : /* this regex is does not accept multiline comments*/**
- **Allowed Bad : /* allows “ */ ” (DOTSLASH) in comment*/**

2) {SLASH}{STAR}{^[*/]}*{STAR}{SLASH}

INCORRECT : Not able to include stars and slashes in the comments

- **Disallowed Good : /* stars * and slashes / wont work */**

3) {SLASH}{STAR}{[^[*/]]+}{STAR}{SLASH}

INCORRECT : Does not allow for empty comment body and allows DOTSLASH in comment

- **Disallowed goods: /**/**
- **Allowed Bad : /* allows “ */ ” (DOTSLASH) in comment*/**

4) {SLASH}{STAR}{[^[*]]({STAR}+[^*/])}*{STAR}{SLASH}

INCORRECT : Doesn't include multiple STARs towards closing part of the comment and doesn't allow SLASHDOT in comment

- **Disallowed Good: /* STARs are not accepted at the end of comment****/ : /* doesn't allow “/*” in body of comment*/**

5) {SLASH}{STAR}{^[*]}*{STAR}+{SLASH}

INCORRECT: Doesn't allow STARs in comments

- **Disallowed Good : /* stars are ***** not allowed in body of comment*/**

6) {SLASH}{STAR}{[^[*]]({STAR}+[^*/])}*{STAR}+{SLASH}

- **CORRECT**

Problem 2

Answer : #(DOT*)(\n)