Code Segment

Check Brackets Matching Method

```java
public static boolean check_matching(String expr) {
    Stack<Character> stack = new Stack<Character>();
    int i = 0;
    while(i<expr.length()) {
        char ch = expr.charAt(i);
        switch (ch) {
            case '(':case '[':case '{':
                stack.push(ch);
                break;
            case ')':case ']':case '}':
                if (stack.isEmpty()) {
                    System.out.println("Error 1");
                    return false;
                } else {
                    char open_ch = stack.pop();
                    if ((open_ch == '(' && ch == ')') ||
                        (open_ch == '[' && ch == ']') ||
                        (open_ch == '{' && ch == '}')){
                    }else {
                        System.out.println("Error 2");
                        return false;
                    }
                }
                break;
        }
        i++;
    }
    if (!stack.isEmpty()) {
        System.out.println("Error 3");
        return false;
    }else {
        return true;
    }
}
```

File Read Method

```java
public static String FileRead(String filePath) throws IOException{
    byte[] b = new byte[1024];
    FileInputStream input = new FileInputStream(filePath);
    input.read(b);
    input.close();
    return new String(b);
}
```