

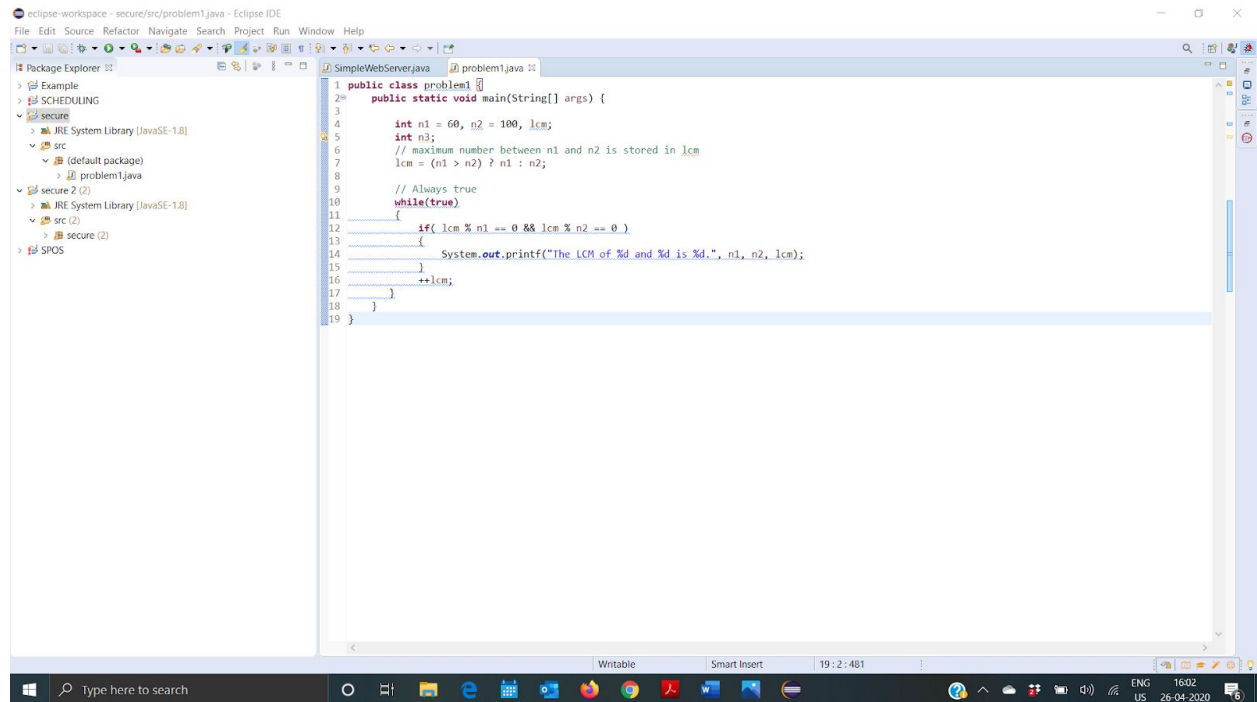
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Part 2:

Code provided:

```
public class problem1 {  
    public static void main(String[] args) {  
  
        int n1 = 60, n2 = 100, lcm;  
        int n3;  
        // maximum number between n1 and n2 is stored in lcm  
        lcm = (n1 > n2) ? n1 : n2;  
  
        // Always true  
        while(true)  
        {  
            if( lcm % n1 == 0 && lcm % n2 == 0 )  
            {  
                System.out.printf("The LCM of %d and %d is %d.", n1, n2, lcm);  
            }  
            ++lcm;  
        }  
    }  
}
```

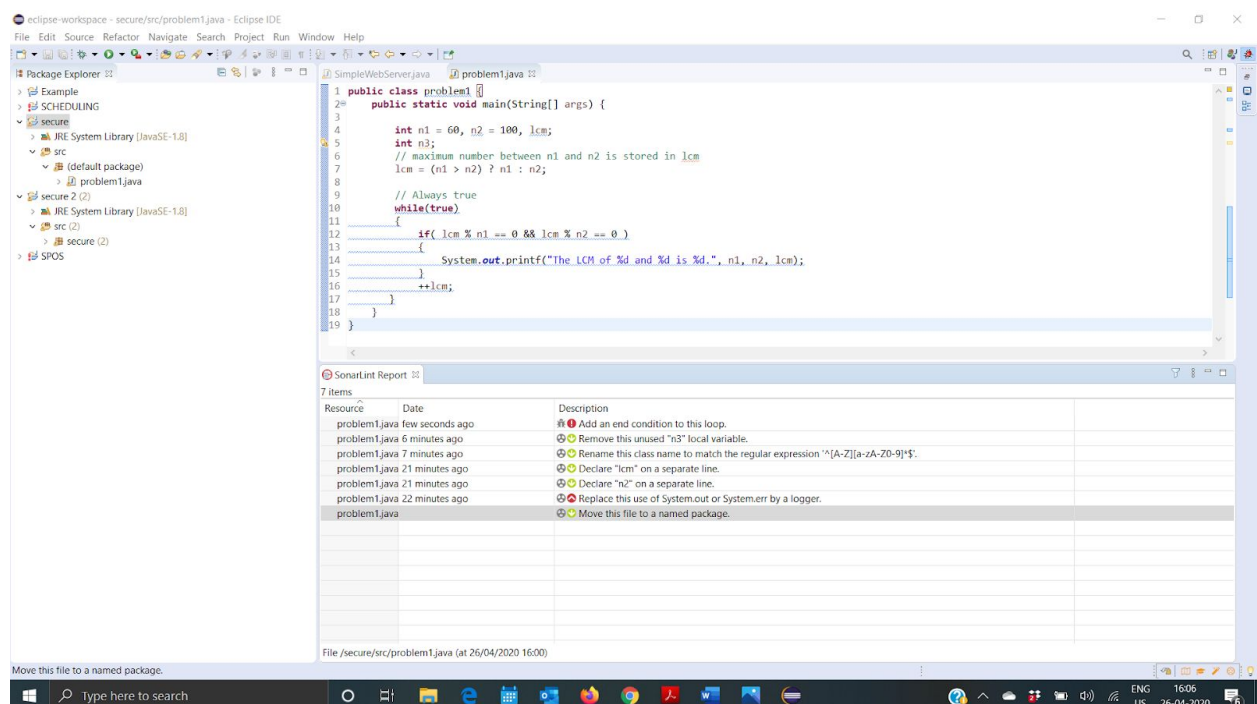
Screenshot of code:



Manual analysis:

We can observe that at line no 5, variable n3 is unused.

Screenshot with sonarlint report:



## Severity of SonarLint markers: Info Code Smell:

- 1) Number of major Code Smells: 1
- 2) Number of minor Code Smells: 5
- 3) Bugs(Blocker Issue): 1

7 items reported in total

### Code Smell Fixes done:

Bug fix 1:

Line 15:

Issue was: There was no break to the while loop. So a break statement is added.

Bug fix 2:

Line 5:

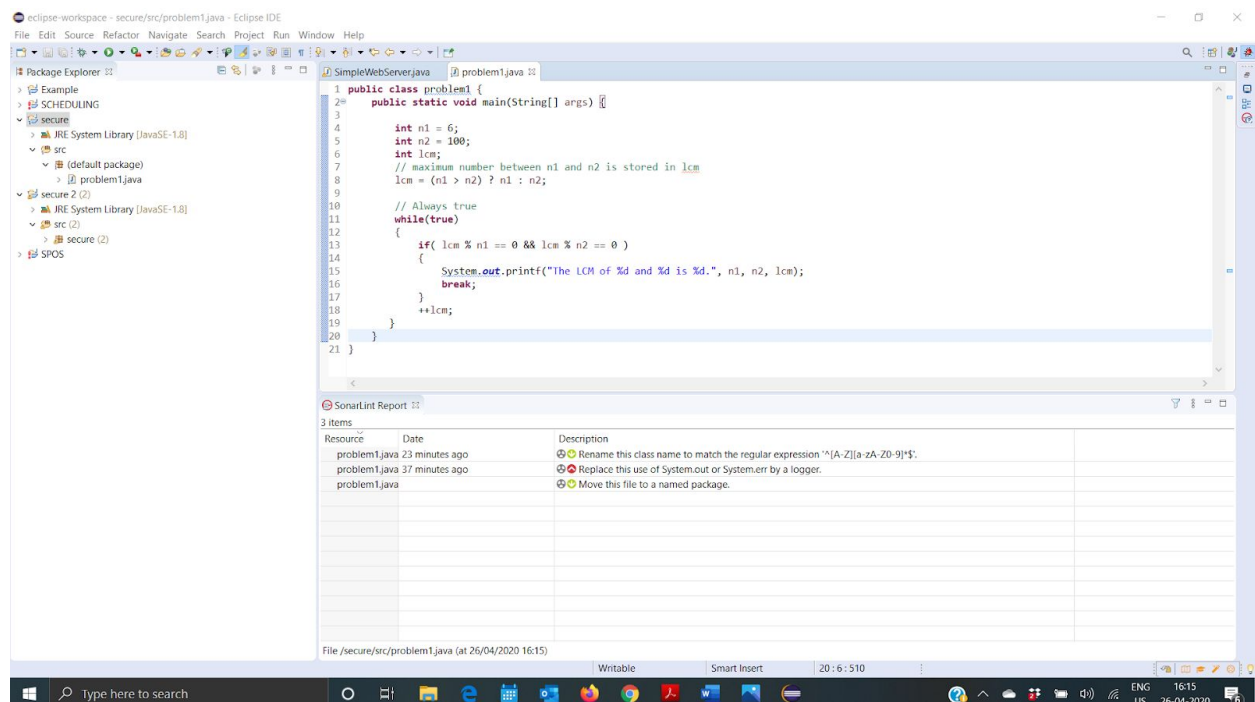
Issue was: the variable n3 is never used so we can remove it out.

Bug fix 3:

Line 4:

Issue was: Variable Declaration should be done on a separate line for variables n2 and lcm.

### Screenshots of fixes done:



Therefore , from the screenshots above the number of reported items dropped from 7 to 3 due to the fixes mentioned above.