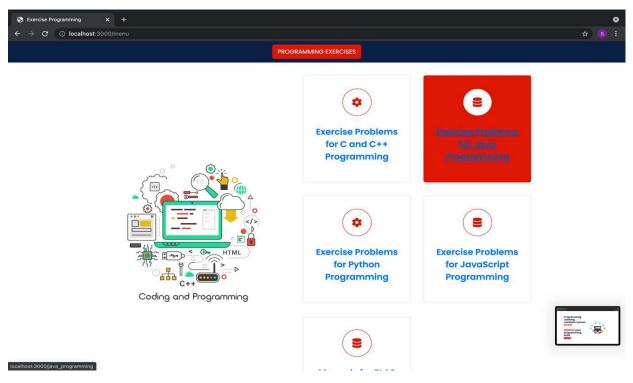
Code Writing Problem (CWP)

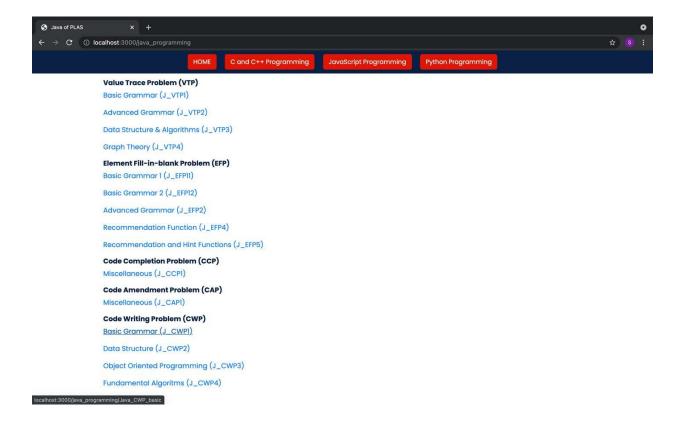
1. Choose Java programming.



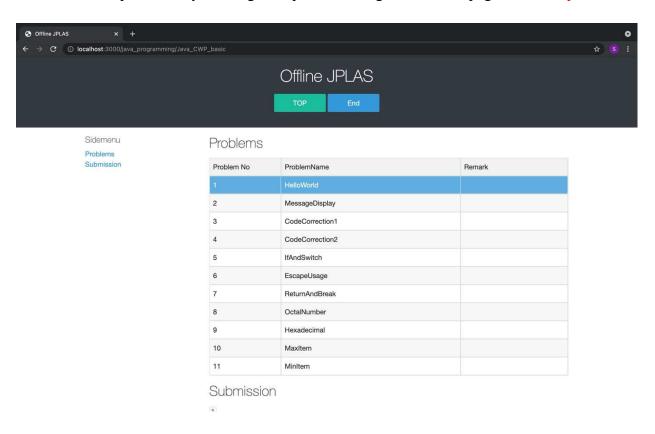
2. To solve CWP problems, start from "Basic Grammar(J_CWP1)".

About CWP

In this problem type, CWP, we gave the test code and source code for each problem. You need to write the source code by reading the test code.



3. Solve the problems by clicking each problem. To go back home page, click "Top" button.

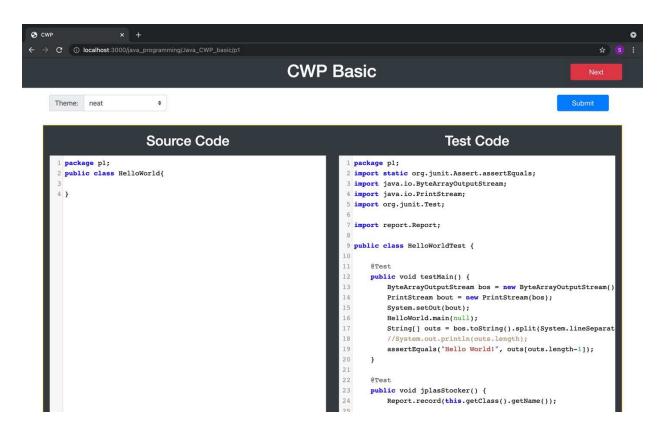


4. Write the answer code under source code by reading the test code on the right side.

Then, click "Submit" button to check whether your answer is correct or not.

To continue another problem, click "Next" button.

To go back all basic problems page, click the title "CWP Basic".



5. If your answer is incorrect, you can modify your source code again by reading the error message in the box. Then, you can submit again until the test is successful.

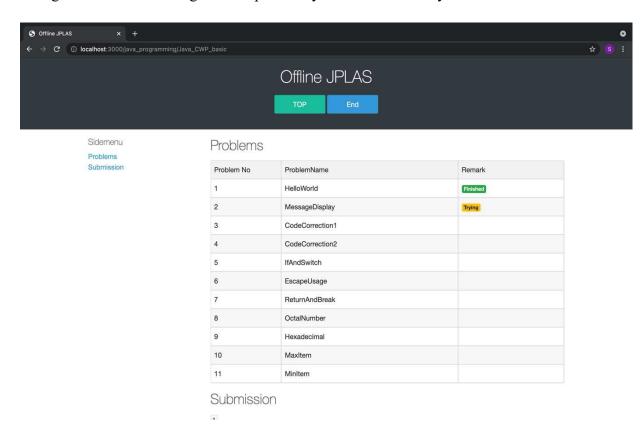
```
← → C ① localhost:3000/java_programming/Java_CWP_basic/p1
                                                                                   9 public class HelloWorldTest {
             private String name;
             public void setName(String name) {
                                                                                        public void testMain() {
                  this.name = name;
                                                                                             ByteArrayOutputStream bos = new ByteArrayOutputStream()
                                                                                             PrintStream bout = new PrintStream(bos);
                                                                                             System.setOut(bout);
      10 }
                                                                                             HelloWorld.main(null);
                                                                                             String[] outs = bos.toString().split(System.lineSeparate
                                                                                             assertEquals("Hello World!", outs[outs.length-1]);
                                                                                 20
21
22
23
24
25
26
                                                                                        public void jplasStocker() {
                                                                                             Report.record(this.getClass().getName());
                                                                                  27}
        COMPILING ERROR!! p1/HelloWorldTest.java:16: error: cannot find symbol
                HelloWorld.main(null);
         symbol: method main(<null>)
         location: class HelloWorld
```

6. You will see this result if your answer is correct.

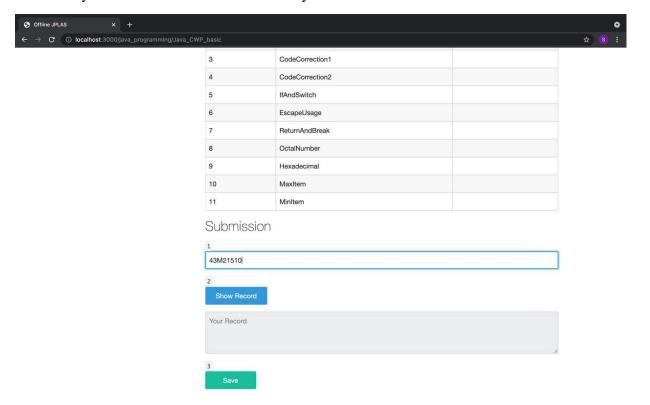
```
14 }
15 }
20 }
21 |
22 |
23 |
24 |
24 |
25 |
26 |
27 |
28 |
29 |
30 |
```

```
JUnit version 4.3
..
OK (2 tests)
```

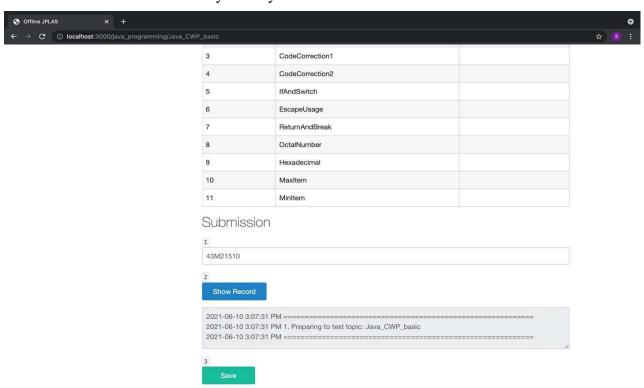
7. For the problem you have already solved, and the answer is corrected, "Finished" message will show in the Remark. If the answer is not corrected, you will see "Trying" message. There is no message for the problem you haven't solved yet.

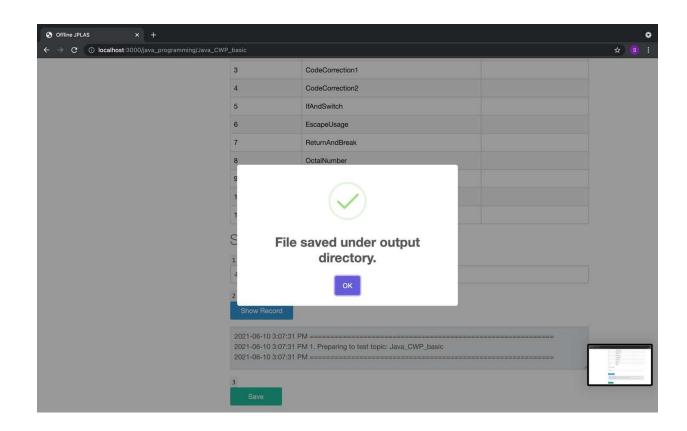


8. Fill your studentID or name to submit your answer file. Click "Show Record" button.



9. Click "Save" button when you see your answers in the Record box and click "Ok".





10. Your answer file "xxxxx_ProblemName_output.txt" will be saved under your "output" directory of your project. Then, send the output file to the teacher via email or pcloud.

