PROGRAMMING 1 / Eclipse assignment

Learning objectives

Understand basic concepts related to Eclipse and what Eclipse can do for you.

Know how to

- Create, run, and debug a Java program in Eclipse
- Make Eclipse to adjust your code layout with correct indentation
- Make Eclipse to automatically correct an error in your code
- Accelerate code writing with the help of the Content assist
- Export and import Java projects

Write your answer to a Word document called **Eclipse_Assignment**_*yourSurname*.docx and submit the document to Moodle. Alternatively, you can submit a PDF file.

First, browse through the **Eclipse Quick Start** guide. Then, answer the questions below ***very shortly***.

1. Which one of the below is true in Eclipse?
   a. Each package can contain several projects
   b. Each project can contain several packages

2. What is the key combination that you can press to ***make Eclipse to adjust your code layout with correct indentation***?

3. What is the key combination that you can press to ***invoke the Content assist***?

4. The Content assist helps you to type your code faster. What is the ***fastest way to write System.out.println();*** in Eclipse?

5. What is the ***title of the window where Eclipse shows compile-time error messages and warnings***?

6. Suppose that you have written the following line of code in your program:
   ```
   Scanner input = new Scanner(System.in);
   ```

   Unfortunately, Eclipse indicates an error by underlining parts of the above line in red. How can you ***make Eclipse to correct the error automatically***?

7. How can you ***export a Java project to a zip file***?

8. How can you ***open the debugger*** in Eclipse?

9. How can you ***set a breakpoint*** in your code?

10. Which key you can press to ***advance to the next line in the same method*** when debugging?

11. How can you ***open the Java perspective***?

12. See "How to generate class members automatically***". How many percent of the code of the Course class you can automatically generate*** in Eclipse?