Computer Science Transition Work 2023

Install and configure the latest Eclipse IDE (http://www.eclipse.org/) or a similar Java IDE of your own choosing. Then, using various online tutorials/sources, such as codecademy.com and tutorialspoint.com, develop a basic understanding of Java development and syntax for console-based applications.

By September make sure you can:

- Start and configure a new basic Java project and simple class
- Initiate, use and update primitive data types (Integer, String, Boolean and Float)
- Use definite loops (e.g. FOR)
- Use pre and post condition indefinite loops (e.g. WHILE…DO and DO…WHILE)
- Display output to the console
- Get input from the console

Finally, develop a simple console-based quiz application that:

- Asks 10 multiple choice questions on a GCSE Computer Science topic
- Displays a final score
- Asks the user if they wish to play again
- If this is too easy for you, feel free to develop something more complex, perhaps saving the results to and/or loading the questions from a file.

In addition, make sure you understand the binary induction lesson as there will be a short test in the first few weeks!