

CS12 Languages and development environments



Personal learning checklist | 1 of 1

OCR GCSE Computer Science J277 | Paper 2 · Specification 2.5

Name _____ Class _____ Date _____

Tick one box for each statement. Red: need help. Amber: partly confident.
Green: can do independently.

Support your confidence with explanations, workings, diagrams and tested code. Quick checks do not assess a complete program or evaluation.

I can	Red	Amber	Green
Languages			
Compare high-level and low-level languages for a specified task.	☐	☐	☐
Distinguish machine code, assembly and the role of an assembler.	☐	☐	☐
Explain why source translation is needed before or during execution.	☐	☐	☐
Compare compilers and interpreters using development and execution needs.	☐	☐	☐
Explain recompilation and the limits of translator error checking.	☐	☐	☐
Development environments			
Explain an IDE's editor, highlighting and autocomplete facilities.	☐	☐	☐
Use diagnostics and runtime facilities to inspect and execute a program.	☐	☐	☐
Use breakpoints, stepping and watches to locate changing state.	☐	☐	☐
Apply a debugging hypothesis, targeted correction and independent retests.	☐	☐	☐

My next revision priority _____