



CS10 Producing robust programs

Personal learning checklist | 1 of 1

OCR GCSE Computer Science J277 | Paper 2 · Specification 2.3

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
Defensive design			
Anticipate misuse and distinguish authentication from authorisation.	☐	☐	☐
Explain validation's purpose and limits and apply suitable input checks.	☐	☐	☐
Implement range, length, presence, type and format checks before use.	☐	☐	☐
Construct terminating validation loops with useful corrective feedback.	☐	☐	☐
Use meaningful names, indentation, comments and modules for maintainability.	☐	☐	☐
Testing and refinement			
Distinguish iterative and final testing and their purposes.	☐	☐	☐
Select normal, boundary and invalid or erroneous data with expected results.	☐	☐	☐
Identify syntax, logic and runtime errors and suggest targeted corrections.	☐	☐	☐
Record expected and actual outcomes and repeat failed and regression tests.	☐	☐	☐
Trace and refine loops for complete processing and correct termination.	☐	☐	☐
Design, write, test and refine a substantial practical program.	☐	☐	☐

My next revision priority _____