

Task 7 Marking Rubric: Programming Practical Test

Task 7: Programming Practical Test - Unit 4 - 7.5%

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The practical test is marked out of 30 marks.

Criterion	Marks
Program understanding and design	10
Program construction	15
Testing, debugging and documentation	5
Total	30

Program Understanding And Design

Performance	Description	Marks
High	Correctly identifies inputs, processing and outputs; selects suitable data types; uses meaningful variable names; and provides a clear algorithm plan showing sequence, selection and iteration.	8-10
Satisfactory	Identifies most required inputs, processing and outputs; includes mostly suitable variables and data types; and provides a workable algorithm plan with minor gaps.	5-7
Developing	Identifies some task requirements but has missing or unclear processing, weak variable choices or an incomplete algorithm plan.	2-4
Limited	Provides little accurate planning evidence.	0-1

Program Construction

Performance	Description	Marks
High	Program works or mostly works and clearly demonstrates input, processing, output, sequence, meaningful selection and meaningful iteration.	12-15
Satisfactory	Program completes the main task with some issues or missing polish, and demonstrates most required programming concepts.	8-11
Developing	Program is partially complete, includes some relevant logic, but has missing control structures, incomplete outputs or significant errors.	4-7
Limited	Program has minimal working logic or is not clearly connected to the scenario.	0-3

Testing, Debugging And Documentation

Performance	Description	Marks
High	Uses suitable test data, a clear trace table or desk check, identifies or corrects an error and provides useful documentation.	4-5
Satisfactory	Includes some testing or trace evidence and some explanation, with minor omissions.	2-3
Limited	Provides little testing, debugging or documentation evidence.	0-1