

Past-paper walk-through

Program Function and Purpose ■ 1.2

eXercise

Questions in this set

- 2026 Q1
- 2025 Set 1 Q1
- 2024 Set 1 Q1
- 2024 Set 2 Q1

Reading the mark scheme

- **B1** a mark that stands on its own – the point is either made or not.
- **M1** a *method* mark: the right approach, even if the number is wrong.
- **A1** an *answer* mark, and it usually needs its M mark first.
- **C1** a working mark on the way to the answer.
- **//** separates answers the examiner accepts equally.
- **ecf** = error carried forward: a later part is marked on your own earlier answer.
- **owtte** = “or words to that effect” – the wording need not match.

Question 1

2026 ■ Q1

Describe one piece of documentation that would be appropriate to include with or in your program. Explain how this documentation can be used by another programmer to better understand a particular code segment in your program.

Question 1

2025 Set 1 ■ Q1

Identify an example output of your program. Explain how this output shows an aspect of your program's functionality.

Solution 1

- This is the Create Performance Task Written Response 1 (Program Design, Function, and Purpose), scored 0-1 points against the student's own submitted program/video/Personalized Project Reference (PPR) – there is no single fixed 'correct' answer. To earn the point the written response must: (1) identify at least one example output of the program, and (2) explain how that identified output shows an aspect of the program's functionality. Either a specific example of the output or a general description of it can satisfy criterion (1); if the response describes more than one output, only one needs a correct explanation, but if more than one is described, every description given must be correct. Graders consider the video (falling back to the full program code if the video is unavailable or

Solution 1

doesn't show the described output) together with the written response. Do NOT award the point if the identified output is implausible/inaccurate/inconsistent with the program, if the explanation of functionality is implausible/inaccurate/inconsistent, or if the output does not arise from normal execution of the program (e.g. a compiler error message).

Question 1

2024 Set 1 ■ Q1

Programs accept input to achieve their intended functionality. Describe at least one valid input to your program and what your program does with that input.

Solution 1

- Written Response 1 — Program Design, Function, and Purpose (1 point).
Describe at least one valid input to the program AND what the program does with that input. Both descriptions must be plausible and consistent with the program. The input may be a specific example or a general description; inputs can include user interactions (a device interaction such as mouse/keyboard must also describe what the program does with the resulting input), databases, sensors, or command-line arguments. Do NOT award if the described input, or what the program does with it, is implausible, inaccurate, or inconsistent with the program.

Question 1

2024 Set 2 ■ Q1

Identify the expected group of users of your program. Explain how your program addresses at least one concern or interest of the users you identified.

Solution 1

- Written Response 1 — Program Design, Function, and Purpose (1 point).
Describe at least one valid input to the program AND what the program does with that input. Both descriptions must be plausible and consistent with the program. The input may be a specific example or a general description; inputs can include user interactions (a device interaction such as mouse/keyboard must also describe what the program does with the resulting input), databases, sensors, or command-line arguments. Do NOT award if the described input, or what the program does with it, is implausible, inaccurate, or inconsistent with the program.