**Create PT - Written Response Template**

[**Assessment Overview and Performance Task Directions for Students**](https://apcentral.collegeboard.org/pdf/ap-csp-student-task-directions.pdf)

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| **Video** Submit one video in .mp4, .wmv, .avi, or .mov format that demonstrates the running of at least one significant feature of your program. Your video must not exceed 1 minute in length and must not exceed 30MB in size  **Prompt 2a.** Provide a written response or audio narration in your video that:   * identifies the programming language; * identifies the purpose of your program; and * explains what the video illustrates.   *(Must not exceed 150 words)* |
| REPLACE ALL TEXT IN THIS BOX WITH YOUR RESPONSE (150 words max)  1 sentence stating the coding language used in your project  1-2 sentences stating the purpose of your program (what it does)  1-4 sentences describing what is being displayed in the video of your project |

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| **2b.** Describe the incremental and iterative development process of your program, focusing on two distinct points in that process. Describe the difficulties and / or opportunities you encountered and how they were resolved or incorporated. In your description clearly indicate whether the development described was collaborative or independent. At least one of these points must refer to independent program development. *(Must not exceed 200 words)* |
| REPLACE ALL TEXT IN THIS BOX WITH YOUR REPONSE (200 words max)  3-5 sentences describing your iterative development process (development/testing cycle), be specific.  1 sentence describing a difficulty or opportunity you encountered during development  1 sentence explaining how you acted on the difficulty or opportunity  1 sentence describing a SECOND difficulty or opportunity encountered during development  1 sentence describing how you acted on the SECOND difficulty or opportunity |

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| **2c.** Capture and paste a program code segment that implements an algorithm (marked with an **oval** in **section 3**) and that is fundamental for your program to achieve its intended purpose. This code segment must be an algorithm you developed individually on your own, must include two or more algorithms, and must integrate mathematical and/or logical concepts. Describe how each algorithm within your selected algorithm functions independently, as well as in combination with others, to form a new algorithm that helps to achieve the intended purpose of the program. *(Must not exceed 200 words)* |
| Code Segment |
| Replace this text with a copy/ paste of your program code that shows your algorithm-- NOT all of the code, just the algorithm. |
| Written Response |
| REPLACE ALL TEXT IN THIS BOX WITH YOUR REPONSE (200 words max)  1 sentence describing your first sub-algorithm (child function), and how it functions on its own.  1 sentence describing your second sub-algorithm (child function) and how it functions on its own.  1 sentence describing how your parent function combines the child functions to achieve your program’s purpose  1 sentence identifying the mathematical or logical concept you are utilizing. |

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| **2d.** Capture and paste a program code segment that contains an abstraction you developed individually on your own (marked with a **rectangle** in **section 3**). This abstraction must integrate mathematical and logical concepts. Explain how your abstraction helped manage the complexity of your program. *(Must not exceed 200 words)* |
| Code Segment |
| Replace this text with a copy/ paste of your program code that shows your abstraction-- NOT all of the code, just the abstraction. |
| Written Response |
| REPLACE ALL TEXT IN THIS BOX WITH YOUR REPONSE (200 words max)  1-2 sentences describing your abstraction including what type of abstraction it is (parameter, procedure, function, method, list, API, or library), and how it works.  2 sentences describing how your abstraction manages complexity in your code. |

Export or save this document as a PDF and turn in to the [AP Digital Portfolio](https://digitalportfolio.collegeboard.org/) along with your **Video** and **Program Code** (separate files).