AP Computer Science Principles
Create Performance Task
Scoring Commentaries on 2021 Rubrics
(Applied to Pilot Student Responses)

Sample G (RPG Character)
2/6 Points

Row 1: 0 pts
The response did not earn the point for this row. The response met only four of the six criteria:
- The video demonstrates the running of the program to collect input of answers based on a series of output in the form of displayed role-playing game questions and prompts for character creation. This satisfies the first three criteria for the video.
- The response states that the program's purpose is to address "the issue of making an RPG character" in a way that is "very straightforward with lots of room for customizability in order to allow the easy creation of an RPG character for either a beginner or a seasoned veteran."
- The response does not describe the functionality demonstrated in the video.
- The response does not describe the input and output of the program demonstrated in the video.

Row 2: 1 pt
The response earned the point for this row, meeting all three of the criteria:
- The response provides program code segments showing the list `stats` being initialized and being used in the `StatRoll` procedure.
- The response provides that the list is named `stats`.
- The response describes the data in the list as "the stats of the player's character, those being Strength, Intelligence, Wisdom, Dexterity, Constitution, and Charisma."

Row 3: 1 pt
The response earned the point for this row, meeting both of the criteria:
- The response provides a list, `stats`, which is being used to manage complexity in the program.
- The response explains how `stats` manages complexity in the program "by allowing all of the stats of the character to be in one area, so they can be easily changed when bonuses arise, certain armor or magic alters them, etc. Without this list, each stat would be its own separate variable. Furthermore, this dictionary will make it much easier to export everything to a document, as all the player stats are in one central location, and it'll take much less formatting."

Row 4: 0 pts
The response did not earn the point for this row. The program code segment provided in response 3c is not a student-developed procedure. The response does not meet any of the three criteria. While there is a student-developed procedure with parameter in response 3b, program code or answers provided in one prompt cannot be considered when scoring another prompt.

Row 5: 0 pts

The response did not earn the point for this row. The response does not meet either of the two criteria:

- The response includes a program code segment of a student-developed algorithm that appears to include sequencing, selection (if…elif statement), and iteration (while loop). Even though this algorithm is not included in a procedure with a parameter, it would still be considered. However, because the loop control variable `looper1` is initialized to `1` and will be changed to `2` after the first iteration causing the loop to stop, this loop is trivial and the code segment will function the same regardless.

- The response generally explains the functionality as the "algorithm loops until a proper race is entered, and using if/elif statements, it selects which race was entered. It then uses sequencing to append values to the stats list based on that race." However, the response does not explain how the algorithm works in enough detail to enable someone to recreate it.

Row 6: 0 pts

The response did not earn the point for this row. Since there is not a procedure with parameters identified in written response 3c, this response does not provide two specific test cases to a procedure with different paths and outcomes. The response does not meet any of the three criteria.