2025

AP® Computer Science Principles

Written Response Prompts

Set 1

COMPUTER SCIENCE PRINCIPLES

SECTION II

TIME – 60 MINUTES

Directions:

Section II has 2 questions (4 written-response prompts) and lasts 60 minutes. The questions for this section are based on the Create Performance Task you previously submitted. Refer to your Personalized Project Reference for the code segments related to your list and procedure.

You may use scratch paper for notes and planning, but credit will only be given for responses entered in this application. Text you enter as an annotation will **not** be included as part of your answer. You can go back and forth between questions in this section until time expires. The clock will turn red when 5 minutes remain—**the proctor will not give you any time updates or warnings.**

Note: This exam was originally administered digitally. It is presented here in a format optimized for teacher and student use in the classroom.

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

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2. Refer to your Personalized Project Reference when answering this question.

A. Consider the first selection statement included in the Procedure section of your Personalized Project Reference. Identify the Boolean expression in this selection statement. Identify a specific value or set of values that will cause this expression to evaluate to `true`. Explain why the specified value(s) will cause the expression to evaluate to `true`.

B. Consider the procedure included in part (i) of the Procedure section of your Personalized Project Reference. Suppose another programmer modifies the code within this procedure. Describe a modification the other programmer could make that would cause this procedure to have a logic error. Describe how the behavior of this procedure would change because of the error.

C. Consider the list included in the List section of your Personalized Project Reference. Suppose another programmer adds several new elements to the end of the list. Explain how the code segment in part (ii) of the List section would need to be modified to account for the additional elements. If no changes to the code segment are necessary, explain why this is the case for your program.

STOP

END OF EXAM