

2024



AP[®] Computer Science Principles

Written Response Prompts Set 2

COMPUTER SCIENCE PRINCIPLES

SECTION II

Time—1 hour

2 Questions

Directions: Read each question carefully and completely. Write your response in the space provided for each question in the Written Response booklet.

You may plan your answers in this orange booklet, but no credit will be given for anything written in this booklet. **You will only earn credit for what you write in the separate Written Response booklet.**

1. 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.

Write your responses to this question only on the designated pages in the separate Written Response booklet. If there are multiple parts to this question, write the part letter with your response.

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

- (a) Consider the first conditional statement included in the Procedure section of your Personalized Project Reference. Describe your conditional statement, including its Boolean expression. Describe what the procedure does in general when the Boolean expression of this conditional statement evaluates to `false`.
- (b) Consider the procedure and procedure call identified in parts (i) and (ii) of the Procedure section of your Personalized Project Reference. Describe the outcome that your procedure call is intended to produce. Write a new procedure call with at least one different argument value that will produce the same outcome, if possible, and explain why this procedure call produces the same outcome. If it is not possible to write a new procedure call that produces the same outcome, explain why this is not possible.
- (c) Consider the procedure identified in part (i) of the Procedure section of your Personalized Project Reference. Identify the parameter(s) used in this procedure. Explain how your identified parameter(s) use abstraction to manage complexity in your program.

Write your responses to this question only on the designated pages in the separate Written Response booklet. If there are multiple parts to this question, write the part letter with your response.

GO ON TO THE NEXT PAGE.

STOP

END OF EXAM