**Remember Version 4 Reflection**

**Q1 Modify the given code such that it eliminates non-adjacent duplicate line groups by implementing and then calling a user-defined function.**

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| **Given Code** |
| **def main():**  **word\_list = ['orange','apple','blueberry','kiwi']**  **title = 'Print The Fruits'**  **symbol = '\*'**  **message = 'The End'**  **print(title)**  **print(symbol)**  **for word in word\_list:**  **print(title + ' ' + word)**  **print(title)**  **print(symbol)**  **print(symbol + message + symbol)**  **main()** |
| **Modified Code with User-Defined Function** |
| **def display(title\_string, symbol\_string):**  **print(title\_string)**  **print(symbol\_string)**  **def main():**  **word\_list = ['orange','apple','blueberry','kiwi']**  **title = 'Print The Fruits'**  **symbol = '\*'**  **message = 'The End'**  **display(title, symbol)**  **for word in word\_list:**  **print(title + ' ' + word)**  **display(title, symbol)**  **print(symbol + message + symbol)**  **main()** |

**Q2 Consider the program segment from Remember Version 4 to answer the following questions:**

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| **Given Program Segment** |
| def input\_answer(letter, surface):  # Prompt the player to enter a word that begins with  # a particular letter and return the answer  # - letter is a str which contains the particular letter  # - surface is the window's pygame.Surface object  prompt = 'What word begins with the letter ' + letter + '?'  word = uaio.input\_string(**prompt, surface**)  display\_icon(**surface**)  return word |

**2.1 Bold all arguments and underline all parameters in the given program segment.**

**2.2 List the kind of each statement in the given program segment.**

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| **Function definition, assignment, ~~function call~~, return statement, “expression”** |

**2.3 If the statement** return word **in the given program segment is omitted then what type of object would be returned by the function?**

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| **NoneType** |

**2.4 Assume the variable start\_letter is bound to an object of type str and surface is bound to an object of type pygame.Surface. Which of the following function call statements would cause the program to behave incorrectly, when calling the function defined above? For each Yes answer, select one of the following reasons:**

1. **return value from function is not assigned to a variable**
2. **type of argument does not match the type of parameter**
3. **number of arguments does not match the number of parameters**
4. **incorrect function name**

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| **Function Call Statement** | **Choose (Y or N)** | **Reason for not choosing** |
| player\_word = input\_answer(start\_letter) | **Y** | **3** |
| input\_answer(start\_letter, surface) | **Y** | **1** |
| player\_word = inputAnswer(start\_letter, surface) | **Y** | **4** |
| player\_word = input\_answer(start\_letter, surface) | **N** |  |
| player\_word = input\_answer(surface, start\_letter) | **Y** | **2** |