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CREATE Task Self-Evaluation Sheet

When you are given time to do the actual Create task in April/May, you are not to look to others to determine if your submission is "good enough"; the AP does not allow adults to give that feedback to students. I have presented in class examples of how AP graders must provide justification for points by quoting the written response directly with the section of the response which meets the criterion for the Row. Now you will be the AP grader for yourself. In each of the rows you must fill in all of the blank spaces. ***Where indicated, provide the exact quotation of a phrase, sentence or sentences from your response which justifies the a check mark.*** (This is ***required*** to earn the checkmark). All blanks must be checked in order to earn the point for that row. After you have given justification for the row, determine whether the row earns the point or not by circling YES or NO.

**Row 1** video and response 3a: earns the point? -- YES NO

___✔__ The video demonstrates the running of the program including: (all must be checked)

__✔___ input; ___✔_ program functionality; __✔___ output

The written response:

___✔__ describes the overall ***purpose*** of the program (what the program is attempting to do).

"The purpose of the program is to have an easy way to keep track of your shopping lists."

__✔___ describes what functionality of the program is demonstrated in the video.

"The functionality of the program shown in the video is using the program to create a list, add an item to it, view it, add to it, delete items from it, and delete the list."

__✔___ describes the **input** and **output** of the program demonstrated in the video.

"The input of the program is the responses to the text prompts given in the command line, and the output is the text printed out on the screen by the program."

**Row 2** Response 3b: earns the point? -- YES NO

The written response:

___✔__ includes two program code segments:

__✔___ one that shows how data has been stored in this list (or other collection type).

____✔️_ one that shows the data in this same list being used as part of fulfilling the program's
purpose.

__✔️___ identifies the name of the variable representing the list being used in this response.

"The name of the list being used is 'lines'"

__✔️_ describes what the data contained in this list is representing in the program.

"Each piece of data contained in the list represents an item in the grocery list."

**Row 3** Response 3b: earns the point? -- YES NO

The written response:

__✔️___ includes a program code segment that shows a list being used to manage complexity in the program.

___✔️__ explains how the named, selected list manages complexity in the program code by explaining why the program code could not be written, or how it would be written differently, without using this list.

"If I did not use this list I would need to make a variable for every item in the grocery list, which would create a limit of items you can have in the list, and it would cause a lot of clutter and be way more complex."

**Row 4** Response 3c (i-iii): earns the point? -- YES NO

The written response:

_✔️__ includes two program code segments:

_✔️__ one showing a student-developed procedure with at least one parameter that has an
effect on the functionality of the procedure.

__✔️_ one showing where the student-developed procedure is being called .

__✔️_ describes what the identified procedure does and how it contributes to the overall functionality of the program.

(what it does): "First, it displays the grocery list to the user, then asks them if they would like to add to it. After they have added all that they would like, it asks them if they would like to delete

anything from the grocery list. After they are done with that, it puts them back to the main prompt.”

(how it contributes to functionality of the program): "This contributes to the functionality of the program by allowing people to add and delete items from their grocery list.”

**Row 5** Response 3c (iv): earns the point? -- YES NO

The written response:

_✔️__ includes a program code segment of a ***student-developed algorithm*** that includes:

__✔️_ sequencing (the order of the commands affects how the function works)

__✔️__ selection (there is an if statement making a choice based on function input)

__✔️__ iteration (there is a while or for loop iterating through your list)

_✔️_ explains in detailed steps how the identified algorithm works in enough detail that someone else could recreate it.

"First, it fetches the data from a text file with the list on it. It prints the list out to the user. It asks them if they would like to add an item to it, and if they say yes it asks them what, adds it to the list, and prints the updated list out. It asks them again and again until they say no. Then, it asks them if they would like to remove an item, if they say yes it removes it and prints the updated list out. It asks them again and again until they say no, and then it goes back to the main prompt.”

**Row 6** Response 3d: earns the point? -- YES NO

The written response:

__✔️__ describe two calls to the selected procedure identified in written response 3c. (It is the execution of the same line of code in your program, but using different arguments on two different runs of your program.) Each call must pass a different argument(s) that causes a different segment of code in the algorithm to execute.

"For the first call, I am going to view the grocery list "groceries." For the second call, I am going to view the list "Walmart" instead. “

_✔️_ describes the condition(s) being tested by each call to the procedure.

"It should display the "groceries" list. It should display the "Walmart" list.”

__✔️__ identifies the result of each call.

"When I input the list name into the prompt, it shows the contents of the list, and the only thing in the list is "Apples." I type in "y" to say that I want to add something to the list, and I type in "Bananas" to add bananas to the list. It now shows the list, which is "Apples" and "Bananas". I input "n", because I don't want to add anymore things to the list. I type in "n" again, because I don't want to delete any items, and now I am on the main prompt. When I input the list name, it shows the contents of the list, which are "grapes" and "oranges". I don't want to add anything, so I put "n" to skip this part. I then type in "y", because I want to delete something from the list. I want to delete "grapes," so I type that in and it deletes it from the list. I type in "n", and I am back at the main prompt."