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| **AP CSP Python with CodeBot**  **PPR Code Segments Activity Guide** | | **Name:** |
| **Introduction** | | |
| For this assignment, you will practice identifying parts of your code that are required for the Create PT and creating images of the code that you can upload into the digital portfolio. For practice, you will insert them in this assignment document instead of the digital portfolio. | | |
| **Warm-Up** | | |
| What are the requirements for the Create PT? |  | |
| What are some things you can and cannot do during the Create PT? |  | |
| **PPRs for Create PT practice programs** | | |
| The forms below represent information needed to upload in the AP Digital Portfolio. The instructions are given, with a box for uploading images.   * On a Windows PC or laptop, use the snipping tool to capture parts of your code. * Save the code segment as a PNG file. Give it a descriptive name * Save it where you can find it later for uploading. * Follow the instructions on the slides to save the code segments for PT\_Practice1. * Then go to the first form on the next page and insert the images by uploading them from your computer. * You will see the exact words from the digital portfolio. * Continue the Activity Guide by creating a PPR for other practice Create PT programs. | | |

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| **Personalized Project Reference – PT\_Practice1** |
| **Procedure:** Capture and paste two program code segments you developed during the administration of this task that contain a student-developed procedure that implements an algorithm used in your program and a call to that procedure.  **i. The first program code segment must be a student-developed procedure that:**  □Defines the procedure’s name and return type (if necessary)  □Contains and uses one or more parameters that have an effect on the functionality of the procedure  □Implements an algorithm that includes sequencing, selection, and iteration |
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| **ii. The second program code segment** must show where your student-developed procedure is being called in your program. |
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| **List:** Capture and paste two program code segments you developed during the administration of this task that contain a list (or other collection type) being used to manage complexity in your program.  **i. The first program code segment must show how data has been stored in the list.** |
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| **ii. The second program code segment must show the data in the same list being used**, such as creating new data from the existing data or accessing multiple elements in the list, as part of fulfilling the program’s purpose. |
| Note: The entire function can be used, or the part of the function that uses the list. Also, you can use the same snippet for the function and the list, if the function uses the list. |

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| **Personalized Project Reference – PT\_Practice2 – option with play\_song** |
| **Procedure:** Capture and paste two program code segments you developed during the administration of this task that contain a student-developed procedure that implements an algorithm used in your program and a call to that procedure.  **i. The first program code segment must be a student-developed procedure that:**  □Defines the procedure’s name and return type (if necessary)  □Contains and uses one or more parameters that have an effect on the functionality of the procedure  □Implements an algorithm that includes sequencing, selection, and iteration |
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| **ii. The second program code segment** must show where your student-developed procedure is being called in your program. |
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| **List:** Capture and paste two program code segments you developed during the administration of this task that contain a list (or other collection type) being used to manage complexity in your program.  **i. The first program code segment must show how data has been stored in the list.** |
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| **ii. The second program code segment must show the data in the same list being used**, such as creating new data from the existing data or accessing multiple elements in the list, as part of fulfilling the program’s purpose. |
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| **Personalized Project Reference – PT\_Practice3** |
| **Procedure:** Capture and paste two program code segments you developed during the administration of this task that contain a student-developed procedure that implements an algorithm used in your program and a call to that procedure.  **i. The first program code segment must be a student-developed procedure that:**  □Defines the procedure’s name and return type (if necessary)  □Contains and uses one or more parameters that have an effect on the functionality of the procedure  □Implements an algorithm that includes sequencing, selection, and iteration |
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| **ii. The second program code segment** must show where your student-developed procedure is being called in your program. |
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| **List:** Capture and paste two program code segments you developed during the administration of this task that contain a list (or other collection type) being used to manage complexity in your program.  **i. The first program code segment must show how data has been stored in the list.** |
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| **ii. The second program code segment must show the data in the same list being used**, such as creating new data from the existing data or accessing multiple elements in the list, as part of fulfilling the program’s purpose. |
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| **Personalized Project Reference – PT\_Practice4** |
| **Procedure:** Capture and paste two program code segments you developed during the administration of this task that contain a student-developed procedure that implements an algorithm used in your program and a call to that procedure.  **i. The first program code segment must be a student-developed procedure that:**  □Defines the procedure’s name and return type (if necessary)  □Contains and uses one or more parameters that have an effect on the functionality of the procedure  □Implements an algorithm that includes sequencing, selection, and iteration |
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| **ii. The second program code segment** must show where your student-developed procedure is being called in your program. |
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| **List:** Capture and paste two program code segments you developed during the administration of this task that contain a list (or other collection type) being used to manage complexity in your program.  **i. The first program code segment must show how data has been stored in the list.** |
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| **ii. The second program code segment must show the data in the same list being used**, such as creating new data from the existing data or accessing multiple elements in the list, as part of fulfilling the program’s purpose. |
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