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| **AP CSP Python with CodeX**  **Defining Functions Activity Guide** | | **Name:** |
| **Introduction from Slides** Discuss these concepts using your own words. | | |
| Function |  | |
| Abstraction |  | |
| How do you define a function in Python? |  | |
| How do you call a function in Python? |  | |
| **Example and Debugging Table** | | |
| Use this space to take notes about functions for Mission 3 |  | |
| Use this space to document bugs you make while programming. As you create code, you will make mistakes. This is part of the learning process. Keep track of the mistakes in the table to the right. Doing so will help you become a more confident programmer. Add rows as needed. | |  |  |  | | --- | --- | --- | | Error message | Actual bug | How you fixed it | |  |  |  | |  |  |  | |  |  |  | |  |  |  | | |
| **Wrap-Up** | | |
| In your own words, what is abstraction? |  | |
| Give your own example of abstraction: |  | |
| In your own words, what is a function? |  | |
| When should you create a function? |  | |
| What must you do to execute (or run) code in a function? |  | |
| Give two benefits of using functions: |  | |
| Submit the modified **Pixels1\_functions** program to the teacher. | | |