**Exploring Python List Methods** Due Aug 18

**Objective:**

In this assignment, you will explore and document various methods associated with the Python list data structure. You will provide explanations for each method, include examples of their usage, and specify the return type of each method.

**Instructions**:

* **Research and List:** Identify and list the common methods available for Python lists. For each method, provide the following:
* **Description:** A brief explanation of what the method does.
* **Syntax:** How the method is used, including its parameters.
* **Return Type:** Specify what type of value the method returns (e.g., None, a New List, a Boolean, etc.).

**Methods to Cover:**

Ensure your document includes, but is not limited to, the following methods:

* append()
* extend()
* insert()
* remove()
* pop()
* clear()
* index()
* count()
* sort()
* reverse()
* copy()

**Create the Document**:

Use Google Docs or Microsoft Word to create your document.

**Python Exercises on Lists**

**Posted 5:31 PM Due Aug 18**

**Instructions**:

* Start by creating a new Python file (e.g., exercise\_list\_solutions.py) on your computer.
* Write code to solve each of the exercises listed below in the Python file you created.
* **Take Screenshots**:
* After writing the solution for each exercise, take a screenshot of your code.
* Run your program and take a screenshot of the output for each exercise.

**Submit to Google Classroom**:

Upload the screenshots of your code and the output for all exercises to the Google Classroom assignment.

Make sure all screenshots are clear and readable.

**OR** Submit GitHub Link