**Assignment**

**HT.NO:2503A52L10**

**Tasks to be completed are as follows:**

**1. Setup AI Coding Tool:**

* Install and configure GitHub Copilot or Kite with VS Code or JetBrains IDE.
* Enable real-time code suggestions.

**2. Class Design Using AI Assistance:**

* Begin defining a Product class with attributes: **name, price, quantity**.
* Use the AI suggestion feature to automatically complete the \_\_init\_\_() method.
* Add a method calculate\_value() to return **price × quantity**.

**3. Create Another Class:**

* Define a Warehouse class with a list of Product objects.
* Use code suggestions to help implement:
  + A method to add a product.
  + A method to display the total value of all products.

**4. Reflection:**

* Identify how much of the code was completed by AI and what manual edits were needed.
* Comment on the relevance and accuracy of AI suggestions.

**5. Presentation:**

* VS Code with GitHub Copilot or Cursor API and/or Google Colab with Gemini.

**Deliverables:**

1. Python script with both classes and comments on AI-generated suggestions.
2. Short report (1 page) summarizing your experience with AI code completion.

