**OUBT Week 1 – Day 2–3: Python & Pandas & Boto3 SDK Practice**

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**1. Python Practice**

* Practiced core Python concepts such as lists, dictionaries, loops, functions, and error handling.
* Created and managed simple CSV files for student scores and invoice records.
* Worked with data filtering and conditional logic using Python structures.
* Focused on writing clean, reusable functions and handling exceptions gracefully.

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**2. Pandas Practice**

* Learned to create, read, and manipulate datasets using Pandas.
* Performed basic data cleaning by removing duplicates and adding calculated columns.
* Aggregated and analyzed data to find total sales and quantities.
* Combined multiple datasets into a single, cleaned file for further use.

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**3. AWS S3 (Boto3) Practice**

* Installed and configured Boto3 to connect Python with AWS S3.
* Created and managed an S3 bucket for uploading, listing, and downloading files.

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* Integrated Pandas with AWS S3 to upload processed data and retrieve it for analysis.

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* Practiced automating simple data workflows between local and cloud storage.

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All Python Scripts outputs have been saved and organized in a separate folder for reference and documentation purposes.

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**4. Summary**

During these sessions, I improved my understanding of Python and file handling, worked on data cleaning and analysis using Pandas, and practiced using AWS S3 with Boto3 for cloud data management. I also organized my work with a proper folder structure, keeping raw, processed, and uploaded data separate, and saving all outputs and screenshots in their own folders. This helped me follow good project practices and build a smooth workflow that connects Python, Pandas, and AWS for managing and analyzing data.