Python Academy Courses Databricks

- **Scalability**: Prepares learners to understand Python but in PySpark's logic and distributed systems
- **Standardization**: Ensures consistent skill baselines across global vendors
- **Maintainability**: Designed for review, integration, and LMS compatibility
- **Learning ROI**: Aligns with experiential learning, includes hands-on exercises

Added Content and Matters

- **Exception Handling** – Builds robust, fault-tolerant PySpark pipelines
- **Context Managers and File I/O** – Enables working with distributed files and managing resources
- **Iterators and Generators** – Bridges Python logic to PySpark's lazy evaluation model
- **String Processing** – Essential for text cleaning in real-world data workflows
- **APIs and JSON** – Prepares learners for common data ingestion and integration tasks
- **Advanced Data Structures (Expanded)** – Supports handling of complex DataFrame schemas in PySpark

Sessions 1.1. Basics

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Objectives

- Familiarize with Databricks notebook environment
- Understand Python variables and data types
- Practice basic operations and expressions
- Learn notebook-specific features
- Access to Databricks workspace
- Basic understanding of programming concepts

Sessions

Module 1 - Core Python/

0-Welcome-Introduction.ipynb
session1.1_Basics.ipynb
session1.2_Modules_and_Packages.ipynb
session1.3_Data_Structures.ipynb
session1.4_Advanced_Data_Structures.ipynb
session1.5_Conditions_and_Loops.ipynb
session1.6_Functions.ipynb
session1.7_Dates_and_Times.ipynb
session1.8_Regular_Expressions.ipynb
session1.9_Classes.ipynb
session1.10_Decorators.ipynb
session1.11_Virtual_Environments.ipynb
session1.12_Exception_Handling.ipynb
session1.13_Context_Managers.ipynb
session1.14_Iterators_and_Generators.ipynb
session1.15_String_Processing.ipynb
session1.16_APIs_and_JSON.ipynb

Exercise 1.1: Python Basics in Databricks