Python for Prompt Engineering - 2

Let's begin the discussion by answering a few Questions on Python for Prompt Engineering - 2

Test Your Knowledge

Test your Knowledge 1

Imagine you are automating the process of importing financial data from a text file into Python. Which file mode would you use to open the file for reading without modifying its contents?

A `r`

B `w`

C `a`

D `o`

Test your Knowledge 2

Which of the following examples demonstrates the correct usage of quotes to store multi-line text in a Python variable?

A   text = `This is a multi-line text stored in a variable using triple quotes.`

B   text = 'This is a multi-line text stored in a variable using triple quotes.'

C   text = """This is a multi-line text stored in a variable using triple quotes."""

D   text = %This is a multi-line text stored in a variable using triple quotes.%

Test your Knowledge 3

You're tasked with analyzing feedback data stored in a file 'feedback.txt' to improve customer satisfaction. Which of the following describes the best way to access and analyze the given file in Python?

A Manually copy the file's contents into the analysis script.

B Use Python's file handling capabilities to read the file for analysis.

C Employ an external sentiment analysis tool.

D Ignore the file and rely solely on customer surveys.

Test your Knowledge 4

You're developing a recommendation system for a news platform, and you need to preprocess articles for consistency. In this scenario, what does the regular expression r'[^\w\s]' do in the Python script?

A   Filters out irrelevant keywords

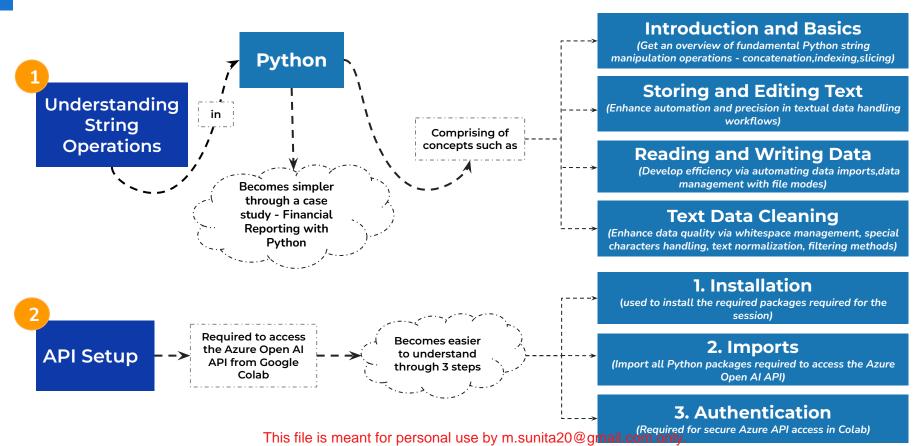**B**   Extracts metadata such as author names

C   Converts text to lowercase

D   Removes all punctuation except whitespace

Mind Map - Mapping Learnings..

Mind Map

1

Understanding String Operations

in

Python

Becomes simpler through a case study - Financial Reporting with Python

Comprising of concepts such as

Introduction and Basics
(Get an overview of fundamental Python string manipulation operations - concatenation,indexing,slicing)

Storing and Editing Text
(Enhance automation and precision in textual data handling workflows)

Reading and Writing Data
(Develop efficiency via automating data imports,data management with file modes)

Text Data Cleaning
(Enhance data quality via whitespace management, special characters handling, text normalization, filtering methods)

2

API Setup

Required to access the Azure Open AI API from Google Colab

Becomes easier to understand through 3 steps

1. Installation
(used to install the required packages required for the session)

2. Imports
(Import all Python packages required to access the Azure Open AI API)

3. Authentication
(Required for secure Azure API access in Colab)

Happy Learning !