CODING WORK AT QUARK

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KEY ACTIVITIES

- Developing Restful API's with Python and Flask
- 2. Image generation using AZURE AI
- 3. Extraction of data from Docx and XML files
- 4. Coverting data from Docx,xml to html, json

API

Created and accessed a API using Flask. This Flask application provides a basic API for managing a collection of records using a JSON file.

The application will run on the default development server (usually http://127.0.0.1:5000/)

Four functions were used:

- GET: Retrieves a record by name using query_records().
- PUT: Creates a new record using create_record().
- POST: Updates an existing record using update_record().
- DELETE: Deletes a record using delete_record().

AZURE AI IMAGE GENERATION

- Studied about AI image generation
- Generated an image url by giving a prompt as input.
- Generated that image and saved it on the system using codes and python.
- Studied about various attributes attributes that can be managed while generating the image like style ,quality, size and with better access even number of images.

DOCX TO HTML AND JSON

- Studied and used various python libraries to extract data from a docx file and classify it into different types
- Text
- Images
- Tables

Gave the output in html and json format.

XML TO HTML AND JSON

- Studied and used various python libraries to extract data from a xml file and classify it into different types
- Text
- Images
- Tables

Gave the output in html and json format.

VARIOUS TYPES OF XML

- Studied about various types of XML like
- BUSDOC
- DITA
- Smart Documents

SECTION WISE EXTRACTION USING XML

 Accessed various types of xml files and learnt how to extract the data and find out its attributes,path ,xpath etc.