

Task 2: Web Scraping & Automation - Documentation

Objective:

Scrape live Bitcoin price from CoinMarketCap and store it in Azure SQL Database using an automated workflow.

Scripts:

- btc_price_scraper.py: Fetches Bitcoin price and stores in Azure SQL
- btc_price_dag.py: Airflow DAG to automate hourly scraping
- azure_sql_schema.sql: Table creation script for storing price data
- sample_data.csv: Example of scraped data

Security:

- Use Airflow connections/Key Vault to manage credentials securely.
- Sanitize inputs and restrict DB access.