

# POWER BI

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DATA VISUALIZATION TOOL

# A tool to work with data

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- 1) Provides insights into data companies seek.
- 2) Transforms raw data into visually compelling insights.
- 3) Integrates data from multiple sources for unified analysis.
- 4) Implements data modeling and relationships to improve performance.

# Types of PowerBI

- 1) PowerBI desktop
- 2) PowerBI Service
- 3) PowerBI mobile
- 4) PowerI report Builder
- 5) PowerBI report server



**Power BI**  
SERVICE



# DAX measures, functions in Power BI

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DAX – Data analysis Expressions

A formula language used in **Power BI**.

Allows one to **create new calculations** and **measures** on your data.

Eg: SUM(), AVERAGE(), MIN(), MAX() ETC..

# Problem statement:

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Given a dataset of shopping mart, find out:

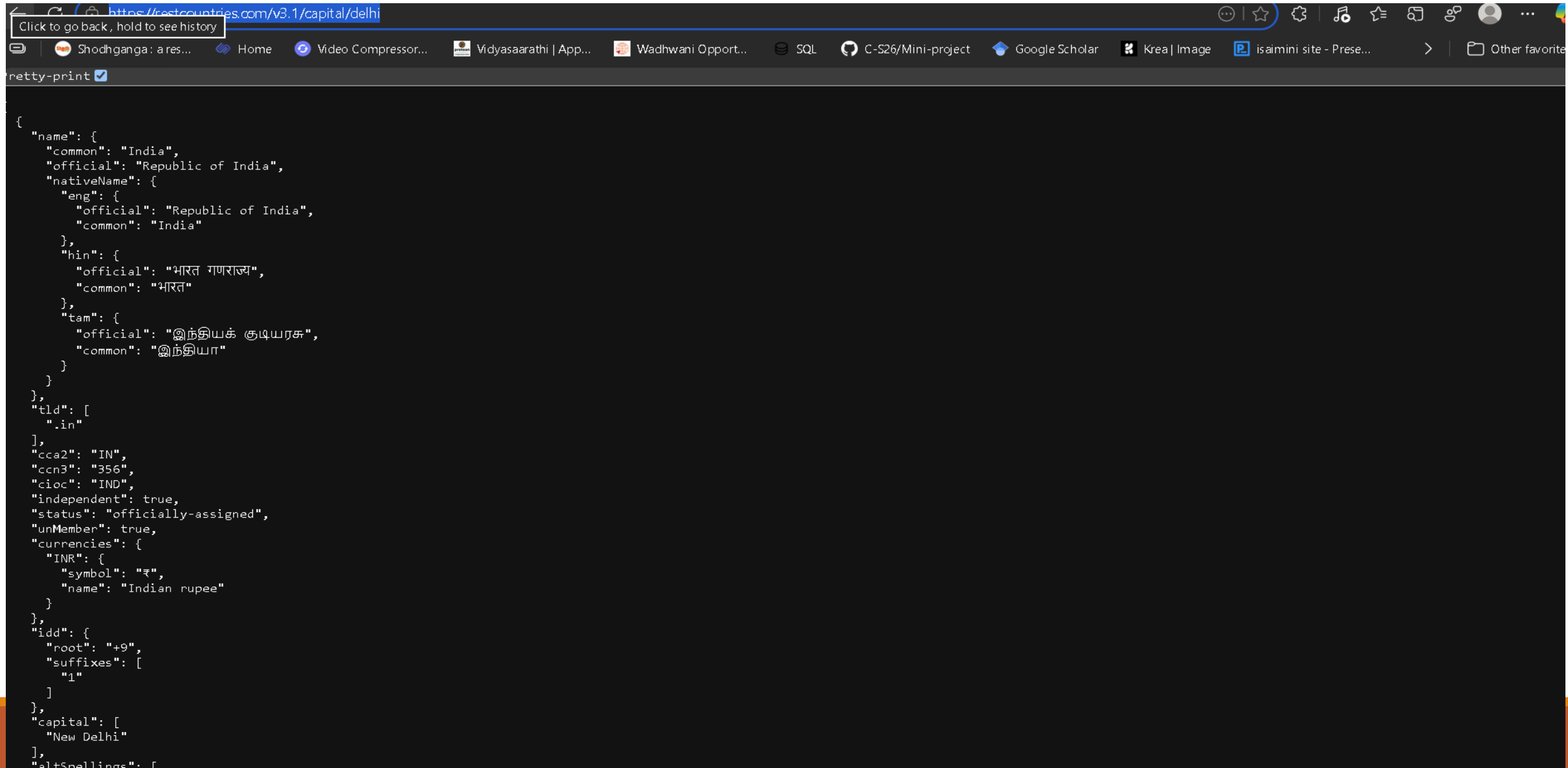
- 1) Brands revenue
- 2) Difference in price and discounted
- 3) Sales after discounted prize

**Dataset type:** “.csv “ format

Columns: name, brand, price, discounted price, category, quantity

# Using web app (API)

API's provide data in JSON format, as that can be viewed like this below:



The screenshot shows a web browser window with the address bar displaying `https://restcountries.com/v3.1/capital/delhi`. The browser's address bar has a dropdown menu open with the text "Click to go back, hold to see history". The browser's tabs include "Shodhganga: a res...", "Home", "Video Compressor...", "Vidyaasathi | App...", "Wadhvani Oppor...", "SQL", "C-S26/Mini-project", "Google Scholar", "Krea | Image", and "isaimini site - Prese...". The browser's address bar has a dropdown menu open with the text "Click to go back, hold to see history". The browser's tabs include "Shodhganga: a res...", "Home", "Video Compressor...", "Vidyaasathi | App...", "Wadhvani Oppor...", "SQL", "C-S26/Mini-project", "Google Scholar", "Krea | Image", and "isaimini site - Prese...". The browser's address bar has a dropdown menu open with the text "Click to go back, hold to see history". The browser's tabs include "Shodhganga: a res...", "Home", "Video Compressor...", "Vidyaasathi | App...", "Wadhvani Oppor...", "SQL", "C-S26/Mini-project", "Google Scholar", "Krea | Image", and "isaimini site - Prese...".

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THANK YOU