

The background of the slide is a light gray gradient. It is decorated with numerous realistic water droplets of various sizes. Some droplets are large and prominent, while others are small and subtle. They are scattered across the slide, with a higher concentration in the top-left and bottom-right corners, framing the central text.

# **WEB SCRAPING ON FURNITURE PRODUCTS**

# STUDENT INFORMATION

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# ABOUT THE PROJECT

- This project is based on **web scraping**
- Web scraping means collecting data from websites
- Furniture product details are collected
- Data is collected automatically
- Python is used for implementation
- This project avoids manual data collection



# WHAT IS WEB SCRAPING

- Web scraping is an automatic data collection process
- It extracts information from web pages
- Data is taken from HTML structure
- No manual copying is required
- Useful for large amounts of data
- Widely used in real-world applications



# WHY THIS PROJECT

- Furniture websites contain huge data
- Product details change frequently
- Manual collection is slow
- Comparing prices manually is difficult
- Automation makes the process faster
- Web scraping provides accurate results



# PROBLEM STATEMENT

- Furniture data is available on many websites
- Each website has different products and prices
- Manual data collection takes a lot of time
- Manual work may cause errors
- Data comparison becomes difficult
- An automated scraping solution is required





# OBJECTIVE OF THE PROJECT

- To learn web scraping techniques
- To understand website structure
- To extract furniture product data automatically
- To reduce human effort
- To save time
- To improve data collection efficiency

# TOOLS AND TECHNOLOGIES

- **Python** for writing the program
- **Requests library** to access web pages
- **BeautifulSoup** to parse HTML data
- **Jupyter Notebook** to run and test code
- Simple and beginner-friendly tools



# OUTPUT

- Data is extracted successfully
- Output is shown in Jupyter Notebook
- Data is well organized
- Easy to read and understand
- Output proves correct implementation



# LIMITATIONS

- Website structure may change anytime
- Scraping fails if HTML changes
- Some websites restrict scraping
- Requires stable internet connection
- Legal restrictions on some websites

# CONCLUSION

- Web scraping is a powerful technique
- This project automates data collection
- It reduces manual effort
- Improves learning of Python
- Useful in real-world applications
- Helpful for students and businesses

A faint, circular logo is visible in the background, centered horizontally. It appears to be a seal or emblem, possibly related to a government or institutional body, though the details are too light to discern clearly.

**THANK YOU**