POSTMAN

- Postman is a tool used to test APIs (Application Programming Interfaces).
- It helps developers and testers send requests to an API and see the responses.
- It makes working with APIs faster, easier, and more organised.

Why is Postman useful?

- You don't need to write code just to check an API — Postman has a **ready interface**.

- It supports **different request methods** like GET, POST, PUT, and DELETE.

- You can **add headers, parameters, and body data** in requests.

- Responses are shown clearly in JSON, XML, or text format.

- You can **save requests into collections** to reuse later.

- Works well for **team collaboration** by sharing collections and environments.

Uses of Postman

- API Testing – Check if an API is working correctly by sending requests and reviewing responses.
- Debugging – Find problems in APIs by testing different inputs and seeing error details.
- Automation – Write small test scripts to automatically check responses and save time.
- Documentation – Generate and share API documentation with your team directly from Postman.
- Collaboration – Teams can share collections, environments, and test cases to work together easily.
- Mock Servers – Create fake (mock) APIs to test applications even if the real API is not ready.
- Environment Setup – Manage variables (like base URL, API keys) for different environments (dev, test, prod).
- Monitoring – Schedule and monitor APIs regularly to check if they are up and running.