

Internet & Web Development

Agenda

- What is internet?
- How internet works?
- What happens when you search a webpage?
- What is a webpage?
- Idea of web development - Frontend vs Backend development
- Concept of programming/coding
- Programming language, tools, IDE, database, frameworks

Google



Google Search

I'm Feeling Lucky

Google offered in: हिन्दी বাংলা తెలుగు मराठी தமிழ் ગુજરાતી ಕನ್ನಡ മലയാളം ਪੰਜਾਬੀ



9:00 AM - 5:30 PM IST
Saturday and Sunday - CLOSED



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kba@duk.ac.in

CONTACT US

COURSES

PRODUCTS

RESEARCH

JOB OPENINGS

BLOCKHASH LIVE

MORE



BEGIN WITH

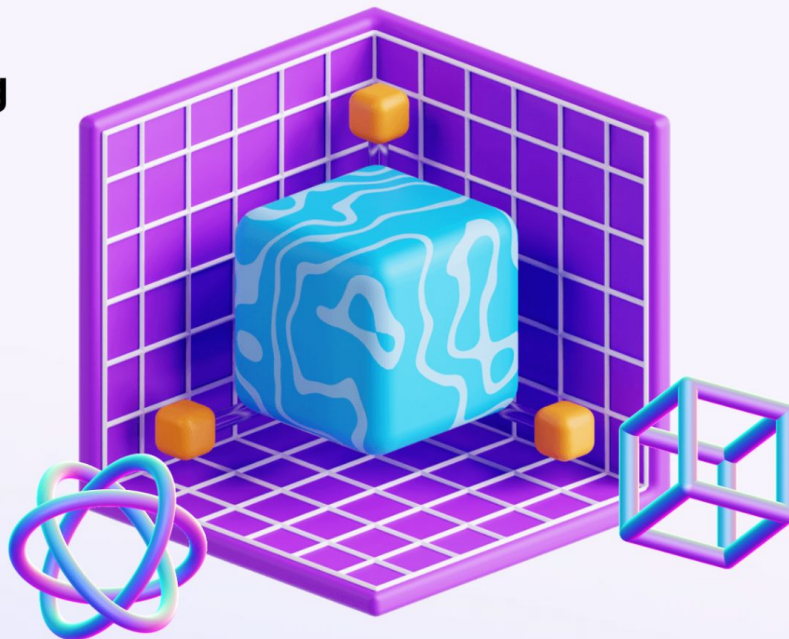
India's First Blockchain Training and Research Institute

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GET STARTED



Video Demo



<https://kba.ai/>

https://www.example.com

**Protocol
(scheme)**

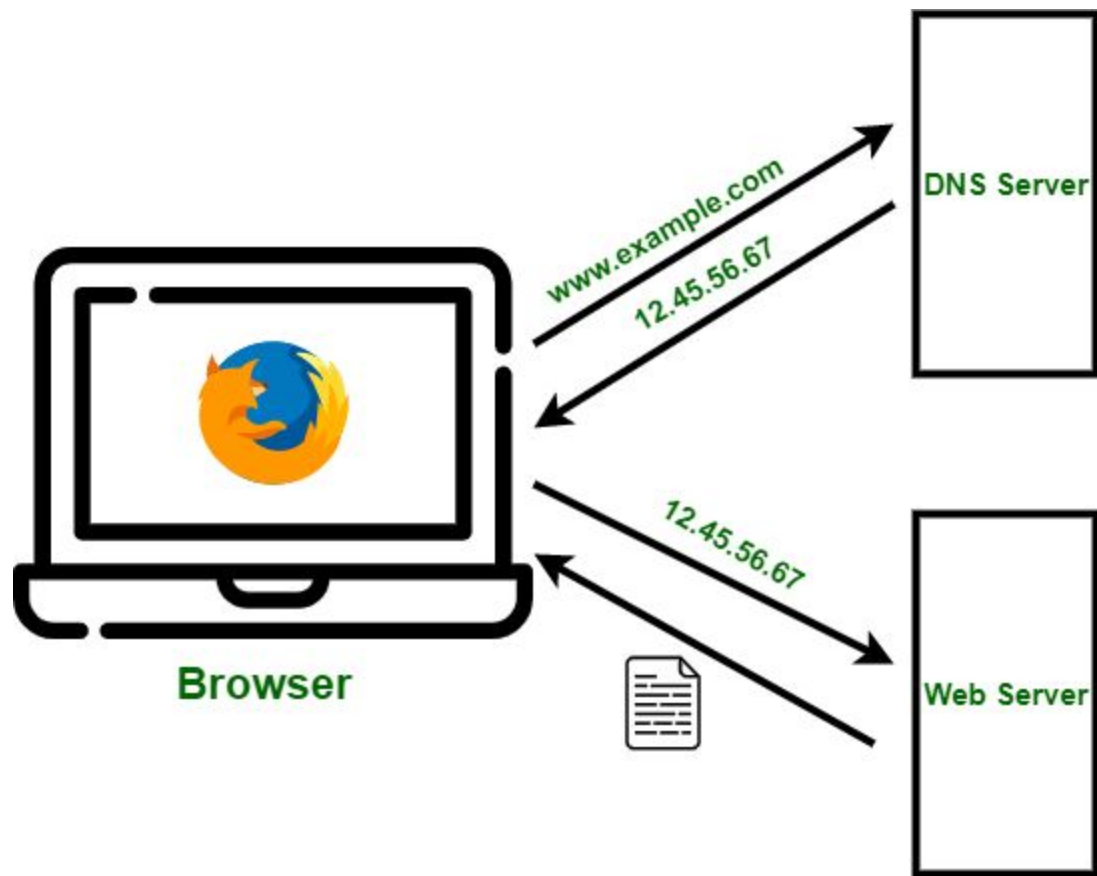
**Sub-
domain**

**Domain
name**

**Top level
domain (TLD)**

HTTP VS HTTPS





localhost

127.0.0.1:8080



Client

Send request for a static webpage



Send back the static webpage



Internet

Send request to the web server



Retrieve the static webpage



Web Server



A



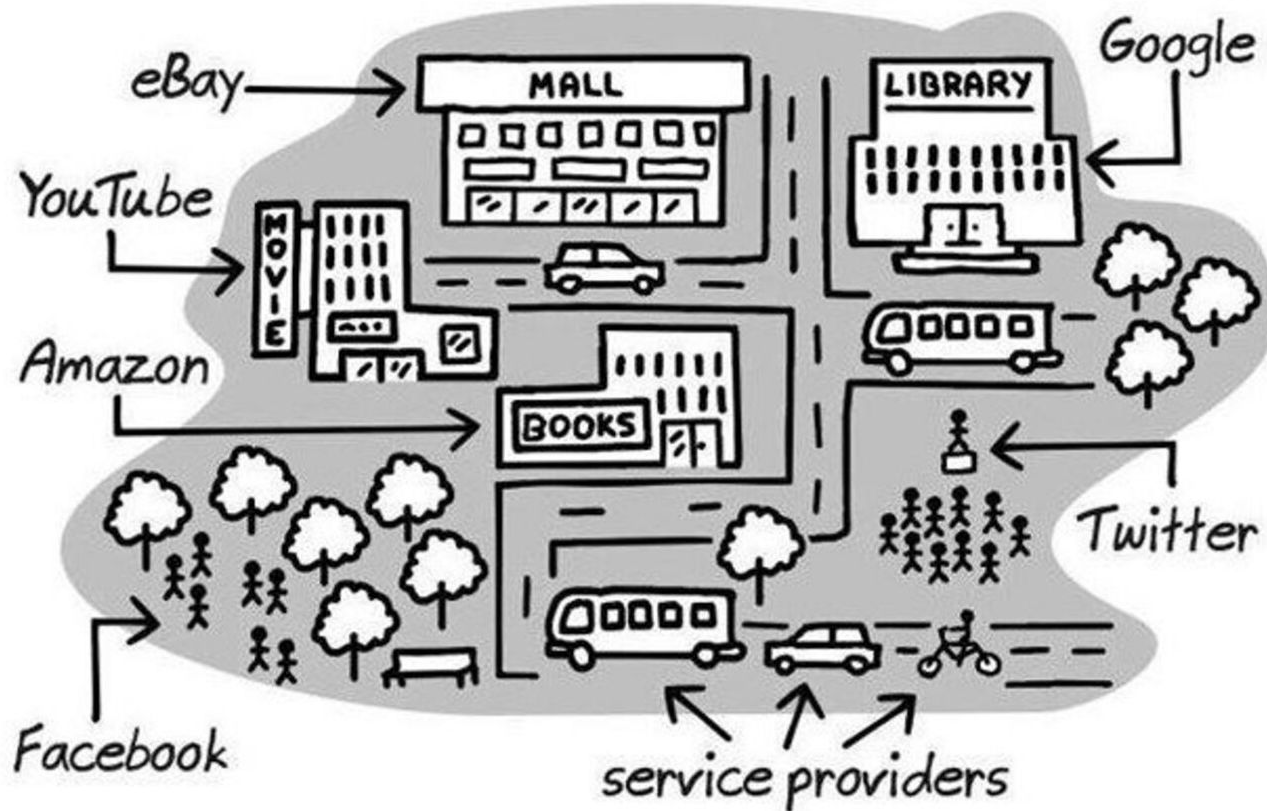
B

BIRTH OF INTERNET



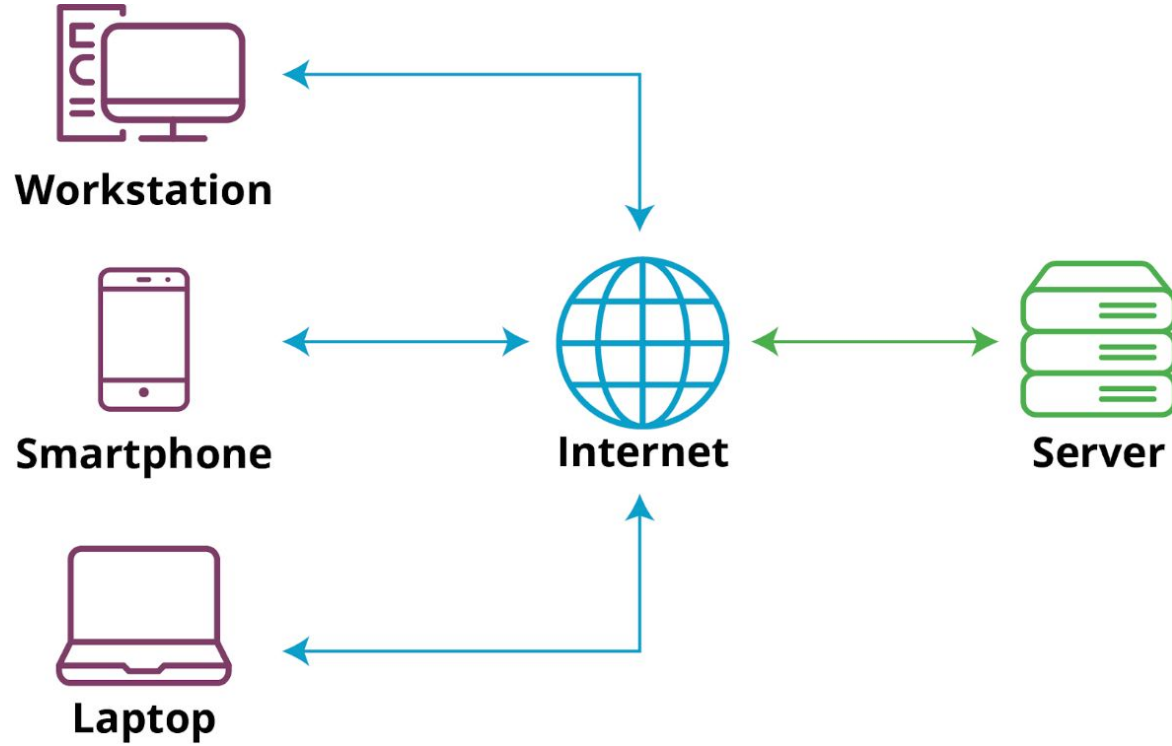
"The Team Behind ARPANET"

The Outernet



Webpages

- <https://users.ece.utexas.edu/~holmes/Teaching/EE302/Slides/UnitOne/tsld019.htm>
- <https://curious.co/>
- <https://fpp.net/>
- <https://mubasic-test.webflow.io/>
- <https://spotify.design/>



DIFFERENT TYPES OF WEB DEVELOPMENT



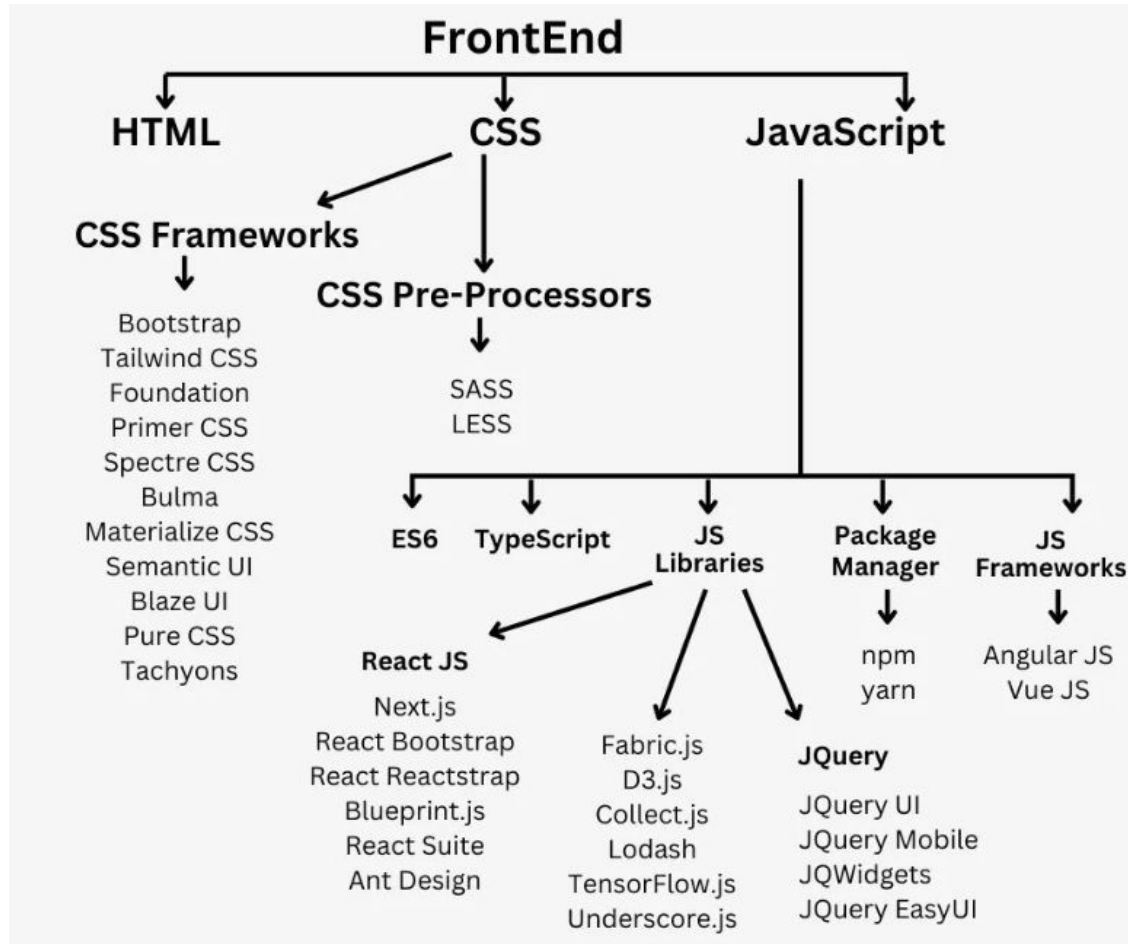
**Front End
Development**

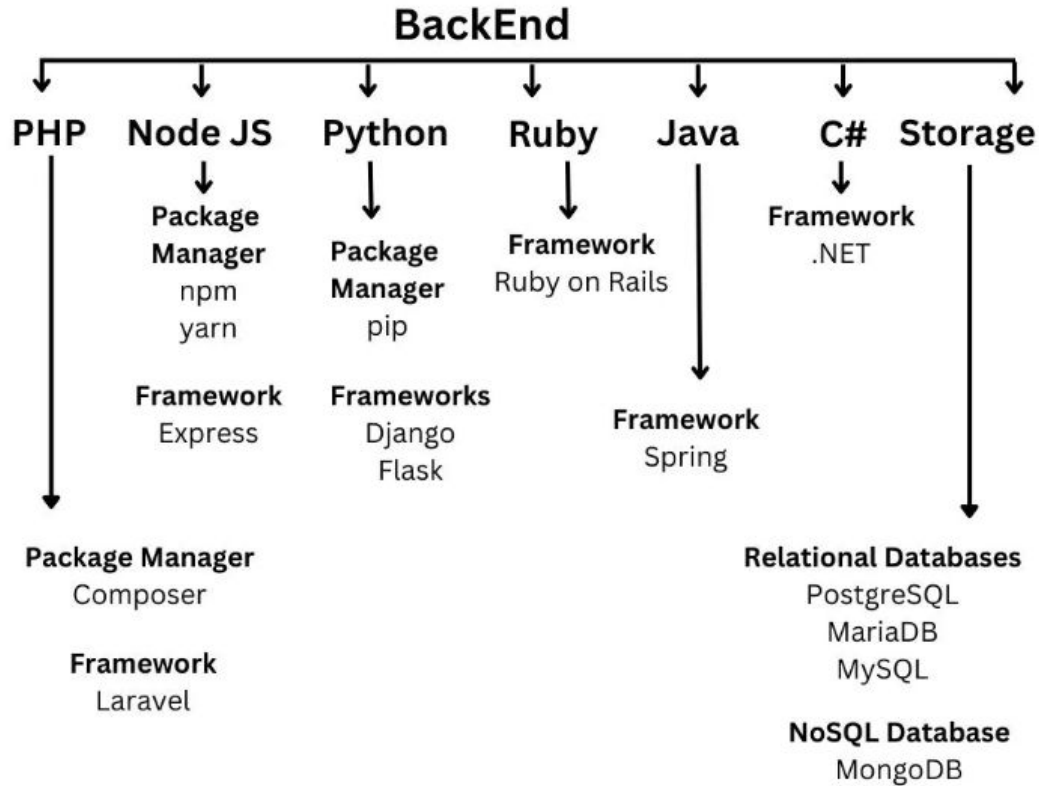


**Back End
Development**



**Full Stack
Development**





Full Stack



Front-End
Development



Back-End
Development



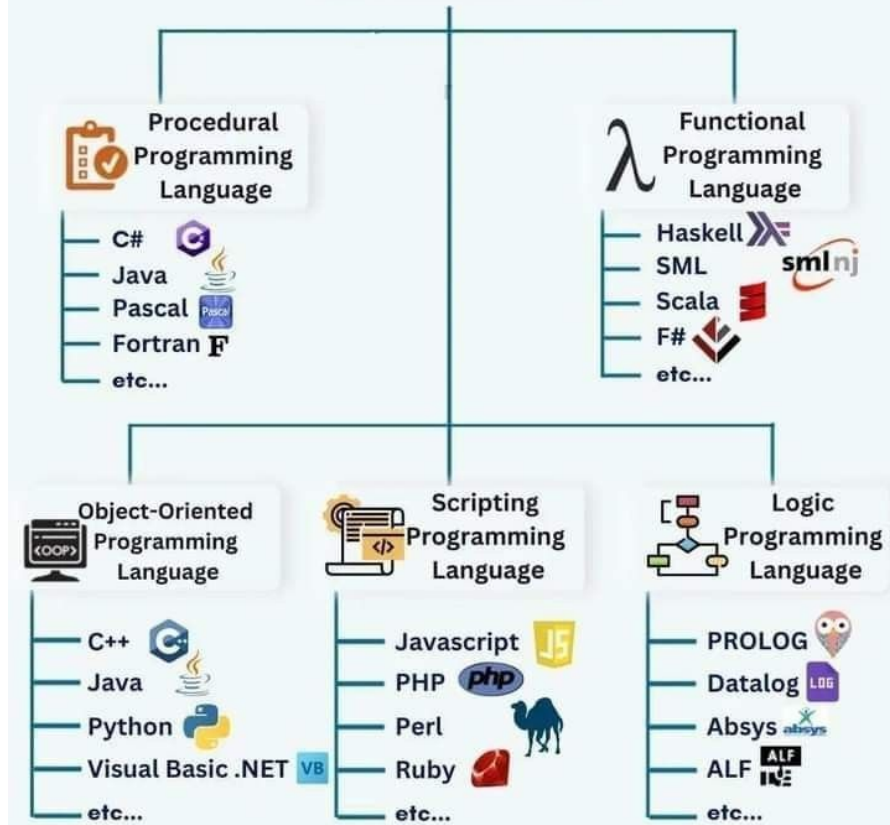
Database

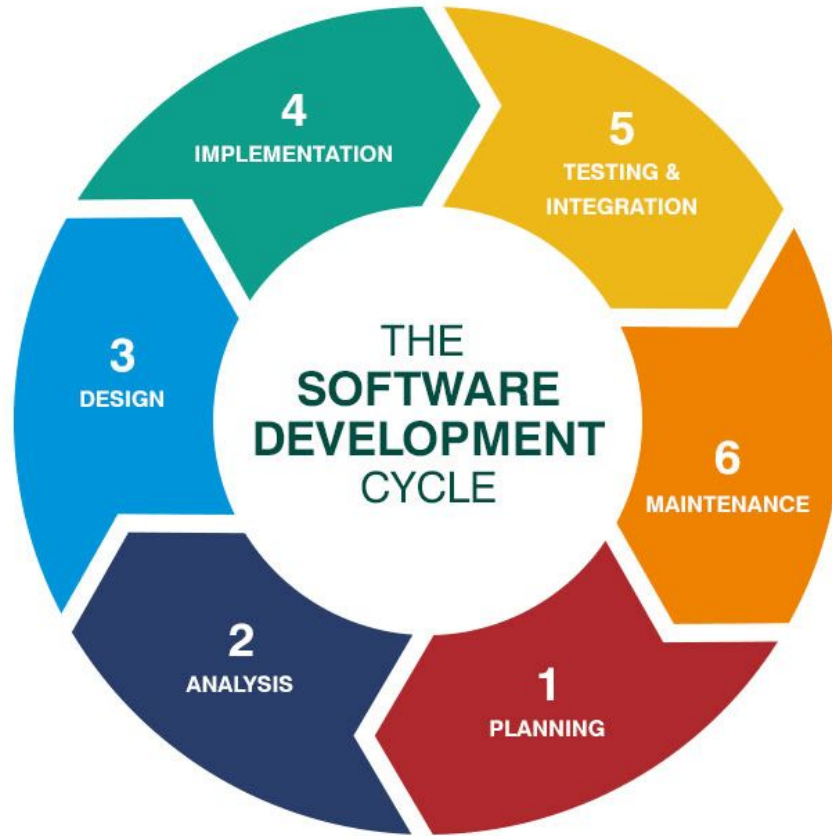


DevOps



TYPES OF PROGRAMMING LANGUAGE





Development Tools

- Programming languages
- Code Editors
- Databases
- Frameworks
- Version Control
- Containers

Project Manager



Programmer



Software Developer



Tester



UX/UI



FrontEnd



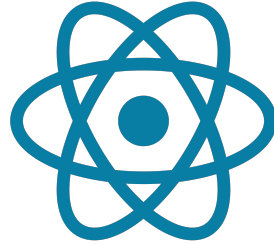
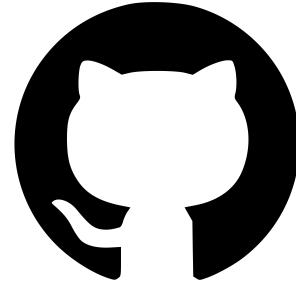
BackEnd



App Developer



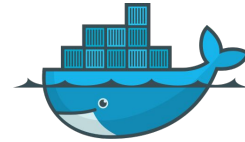
Tech we will learn



express



mongoDB®



docker

References

Videos

- [What is the Internet?](#)

Articles

- [How the Web Works](#)
- [What Is Web Development?](#)
- [App Development Glossary: 64 Essential Terms](#)
- [What is a Programming Language? Definition and Types](#)
- [Web Application Development: Process, Tools, & Examples](#)