Day 52

"Web Development + Security"

What is Hosting? Where to Host? Which Hosting?:

What Is Hosting?

Hosting means putting your website or web application on a server so that people can access it on the internet using a web address (like www.example.com).

It's like renting a space on the internet to store your website's files (HTML, CSS, JS, images, database, etc.) and make them available 24/7.

How Hosting Works (Simple Flow)

1. You build a website (HTML, CSS, JS, etc.).
2. You upload your files to a web server (via a hosting provider).
3. That server has a public IP address.
4. Your domain name (like myportfolio.com) points to that IP.
5. When someone types your domain in a browser → browser connects to the server → your site loads!

Types of Hosting

Type	Description	Example Use
Shared Hosting	Many websites share the same server.	Small sites or portfolios.
VPS (Virtual Private Server)	Shared hardware, but isolated environment.	Medium-sized projects.
Dedicated Hosting	One server for one client.	High-traffic sites.
Cloud Hosting	Uses cloud resources (AWS, Google Cloud, etc.).	Scalable web apps.
Static Hosting	For static files (HTML, CSS, JS).	Frontend projects or portfolios.
Managed Hosting	Hosting + server management done for you.	WordPress or app hosting.

Popular Hosting Services

Type	Example Providers
Static Hosting	GitHub Pages, Netlify, Vercel
Cloud Hosting	AWS, Google Cloud, Azure
Web Hosting	Hostinger, GoDaddy, Bluehost
Backend Hosting	Render, Railway, Heroku, Cyclic

--The End--