Props: Short for "properties". Used for passing data from prent

State: Local data storage in a component that can change

functional or class-based.

to child components.

over time.

- Hooks: Special functions like usestate, use Effect to manage state & lifecycle in functional components
 - JSX: Syntax extension for Javascript that allows writing HTML-like code inside Jovoscript
- Virtual DOM: A light weight copy of the real DOM. React updates only what's needed for better performance.
- · Uses of React:-
- J. Building Single-Page Applications (SPAS) React is ideal for SPAs where you need fast navigation without reloading pages. It dynamically updates the UI based on changes in data.
- 2. Rousable Components React allows you to create reusable UI components - think buttons, form fields, cards, headers, etc. This encourages consistency & maintainability.
- 3. Dynamic Web Interfaces React excels at managing dynamics data - doiver interfaces. For examples in dashboards, social media feeds, & live content updates.
- 4. Mobile App Development Using React Native, you can build native mobile apps for Android & ios using React's architect
- 5. E-commerce Sites React is used in e-commerce for creating smooth, dynamic product pages, corts & checkouts (e.g. Amazon, Shopify, flipkart)
- 6. SEO-Friendly Websites Using Next. js (a React frame work) developers can build scaver-side rendered applications that are SEO-optimized.
- 7. Real-time Applications React can be combined with tools like socket. IO to build that apps, live data dashboards. & notifications.
- 8. Progressive Web Apps React is used to build PWAs that behave the native apps with offline access, push notifications, etc

	a long Reaction
•	Popular Companies Daling
•	Popular Companies Using React:- Facebook (coeator of React)
•	Instagram
•	Instagram WhatsApp Web
•	Netflix
	Airbnb
	Ubed
•	Twitter
	Dropbox