**Day 5 :**

UI technology Programming language Gen AI Provider

Command Prompt Open AI

JS Google

Python Azure

Java AWS

C# Any private provider

Local LLM Provider

ChatGPT

Github copilot

Node JS provide lot of external module

Which help to call any gen ai provider model with help to token.

Node JS display output on console. In Node JS we use axios or node-fetch module to call gen ai provider.

In node JS we need to create rest api which expose to front end technologies. Those technologies can

Client Side JavaScript

React

Angular

Vue JS

Object : object is any real world entity

Person, Bank, Animal, Car, Employee etc.

Property or state-🡪 have , variables

Person

Behaviour --🡪do/does , function / methods

Class

Till ES5 to describe the object we were/are using literal style or function style.

From ES5 onward we can use class style object creation.

These object mainly divided into 2 types.

1. User – defined object.
2. Pre defined objects.

BOM : Browser object model

DOM : Document object model

Object -🡪 property

Behaviour

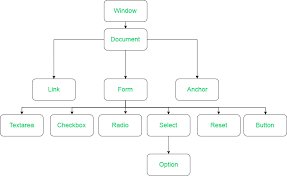
Object -🡪 property

Behaviour

Object --🡪property

Behaviour

Object



Event : event provide the bridge between html and js code. Event is a delegation model. Whenever user interact with any html tag ie DOM elements. JS provide lot of pre defined event which start with pre-fix on followed by event name.

onClick

onDblClick

onMouseOver

onKeyUp

onKeyDown

onChange

onSubmit

onReset

onBlur

DOM Operation :

Promise : promise is one of the pre defined object which takes callback function with two parameter 1st is resolved and rejected. Promise is use to handle asynchronous event of data of any type.

Synchronous

console.log(“1st statement”); fun1();

console.log(“2nd statement”); fun2()

console.log(“3rd statement”); fun3();

Asynchronous

Asynchronous console.log(“1st statement”); fun1()

Asynchronous console.log(“2nd statement”); fun2()

Asynchronous console.log(“3rd statement”); fun3();

Asynchronous communication

1st req

2nd req

3rd req

Client Server

Web Service :

Giving the service for web application when both the application running using different technologies.

Application1 Application2

JavaScript java/python/asp.net

SOAP Web Service consume and produce data only in the form of XML.

Rest Full Web Service : Rest API : We can consume and produce data in any format base upon client requirement like xml, json, html, plain text or any media type etc.

If my application is client side plan JS file. JavaScript provided one of the pre defined function fetch() function. Which help to consume rest api develop in any language. Return type of fetch is promise if server provided proper data then get called if server generate error catch call.

fetch(url).then().catch();