

IIDT-Blackbucks short term internship FSD session 04-APSHE

The fourth session is about Detailed explanation about DOM(Document object model).Manipulating html with JS. Manipulating CSS with JS , Data types of JS And variables of JS Connecting CSS and Java script in html page.

Topics covered:

- 1.DOM
- 2.Manipulating html with js
- 3.Manipulating css with js
- 4.JS fundamentals
- 5.JS Data types
- 6JS Variables

Key points:

- DOM Means document object model is a programming interface for web documents. It represents the page so that programs can change the document structure, style, and content. The DOM represents the document as nodes and objects: that way , programming languages can interact with the page.
- Connecting html with css where we can write a tag which is link tag that is <link rel="stylesheet" href="file name"/> this file will tells that we are trying to connect css with html after that it will change the styles in html page.
- Connecting html with Java script we can use script tag that is <script src="file name"></script>.
- When we are working with the css styles need not to be shown to the user that is why we write css code in head tag.
- Script always sets at the end of the body that's why we always keep script at the end why we are keeping script at of the body because we need to set all the content the user don't need to trigger at the moment so, we keep script at the end of the body and user can able to visit the functionalities.
- Data types of java script which is basically all the types of data java script supports.

- The data types are Number, String, Boolean, Object.
- Number data type covers all the type of numbers which means positive number, negative number, decimal , number, integer like that.
- String data type includes everything text related either it is single character or word or paragraph as long it is in text format , special characters numbers also when they are in text format.
- Boolean data type It contains only two values one is true and another one is false.
- Object data type where we can have all collection of data. There are multiple values for object.
- We can create a multiple values in single object.
- In variables we have three types that are var, let, const.
- Var can store any type of data like integer, string , object ,Boolean.
- Var and let support modifications but const cannot support modifications or changes .
- Once we declare something in const we cannot modify it.
- The html document is structured like tree .
- It gets access to the object and will take control of the DOM tree which document object model.