* Node.js is an open source cross platform javascript run time environment,that allows developers to run the js code server side.
* Node js allows developers to use java script not only for client side scripting but also for server side programming that means developers can use java script for both front end and back end development.
* npm(node package manager) is the default package manager for node js. Is used to install manage and share packages or modules of js code written for node js.
* npm allows developers to use 3rd party libraries and tools to their nodejs projects, making it easier to build complex applications by using the existing code. Overall node js and npm are the essential tools that would enables developers to build fast,scalable and efficient web applications and server side solutions.

Modules:

Js modules are reusable code that encapsulate related functionalities,it allow developers to organise the code to separate modules or files,making it easier to manage and maintain and re use code across in different part of applications.

Js modules tipically use the export and import statements to expose functionalites to file to one another.

Arrow Function:

Function display()

{

Log(“Mahesh”);

}

Display()

-------------------

Let disp=function add(q,r)

{

Log(a+b)

}

Disp(10,20)

-------------------------

Let disp=function (q,r)

{

Log(a+b)

}

Disp(10,20)

------------------------------

const add = (a, b) => {

  console.log(a + b);

};

add(2, 5);

Asynchonous programming is approach where multiple task to be executed concurrently or independentely with out waiting for each other to finish.

DOM -Document Object Model.

It is a programming interface(blueprint) for web documents. It represents the page so that programs can change the document structure, Style and content.

Dom represents the document as nodes and objects allowing the programming languages like java script to change the structure, style and content of web pages dynamically.

Dom represents the documents as a tree structure where each node represents a part of the document, such as elements, attributes and text.

DOM is not specific to any programming language or platform.

Dom provides a standard interface that can be used with any programming language that supports it.

Dom enables dynamic of interation with web pages.

Dom is an API that comes in between programmers and web documents.

Dom represents not just the structure of the document but also its content and styling.

Note:

Using Dom developers can see the effects of their changes instantly with out need to compile and deploy the code.

Dom converts document into equivalent tree structure.