**JavaScript:**

It is a lightweight language, cross-platform, object-oriented computer programming language.

It is one of the three core technologies of web development.

Using JavaScript we can give dynamic effects and build modern web applications that we can interact with.

Frameworks like React and Angular are based on JavaScript

JavaScript can be added using either of the two ways: Inline or External

JavaScript has dynamic typing that means that data types are automatically assigned to variables.

In JavaScript there are 5 primitive data types:

* Number: Floating point numbers, for decimal and integers.
* String: e.g. ‘act’, ’Vanshika’, etc.
* Boolean: logical data type either true or false
* Undefined: A variable that doesn’t have a value yet.
* Null: Also means non-existent.

In JavaScript, variable names cannot start with numbers or symbols and reserve keywords except $ and \_.

In JavaScript, comments are of two types: single line (//) and multiline (/\*..\*/).

Variable Mutation:

* When you change the value of a variable means you are modifying the original value but JavaScript automatically detects the data type and changes it ‘on the fly’.

Type coercion:

* JavaScript will automatically convert types when it is required.

Operators like Addition, subtraction, multiplication, etc... are available in JavaScript.