**Module-4**

**JAVASCRIPT BASIC & DOM**

* **What is JavaScript?**
* Javascript is change of behaviour of web-site.
* JavaScript is the Programming Language for the Web. JavaScript can update and change both HTML and CSS. JavaScript can calculate, manipulate and validate data.
* **What is the use of isNaN function?**
* The JavaScript isNaN() Function is used to check whether a given value is an illegal number or not. It returns true if the value is a NaN else returns false.
* **What is negative Infinity?**
* NEGATIVE\_INFINITY is a special numeric value that is returned when an arithmetic operation or mathematical function generates a negative value greater than the largest representable number in JavaScript.
* **Which company developed JavaScript?**
* JavaScript was created at Netscape Communications by Brendan Eich in 1995. Netscape and Eich designed JavaScript as a scripting language for use with the company's flagship web browser, Netscape Navigator.
* **What are undeclared and undefined variables?**
* **Undefined:** It occurs when a variable has been declared but has not been assigned any value. Undefined is not a keyword.
* **Undeclared**: It occurs when we try to access any variable that is not initialized or declared earlier using the var or const keyword.
* **Write the code for adding new elements dynamically?**
* **Syntax:** document. createElement("<tagName>");
* **Ex:** p\_tag = document. createElement("p");
* **What is the difference between ViewState and SessionState?**
* View state can only be visible from a single page and not multiple pages. Session state value availability is across all pages available in a user session.
* **What is === operator?**
* This Operator is check equal value and check datatype.
* **How can the style/class of an element be changed?**
* **Using Style:** document.getElementById(“id”).style.property=new\_style;
* **Using Class:** document.getElementById(“id”).classList;

varName = document.getElementById(“id”);

varName.classList.add(“className”);

varName.className=”className”;

* **How to read and write a file using JavaScript?**
* **What are all the looping structures in JavaScript?**
* **For Loop:**

for(initialization; condition; incre/decre)

{

….code;

}

* **While Loop:**

initialization;

while(condition)

{

….code;

incre/decre;

}

* **do while loop:**

initialization;

do

{

….code;

incre/decre;

}while(condition);

* **For in:**

for(anyName in varName)

{

….code;

}

* **For of:**

for(something of varName)

{

….code;

}

* **ForEach:**

varName.forEach(functionName);

* **How can you convert the string of any base to an integer in JavaScript?**
* To convert a string to an integer parseInt(), Number(), and Unary operator(+) function is used in javascript.
* **What is the function of the delete operator?**
* The delete operator removes a property from an object. If the property's value is an object and there are no more references to the object, the object held by that property is eventually released automatically.
* **What are all the types of Pop up boxes available in JavaScript?**
* JavaScript has three kind of popup boxes: Alert box, Confirm box, and Prompt box.
* **What is the use of Void (0)?**
* void(0) means return undefined as a primitive value. We use this to prevent any negative effects on a webpage when we insert some expression.
* **How can a page be forced to load another page in JavaScript?**
* we can use window. location object to force a page to load another page. We can use the location object to set the URL of a new page.
* **What are the disadvantages of using innerHTML in JavaScript?**
* **Disadvantages of innerHTML**
* Event handlers attached to any DOM element are preserved.
* Replacement is done everywhere.
* It is not possible to append innerHTML.