1. **What are the variable naming conventions in JavaScript?**

-Spaces are not allowed in variable names

-Only letters, digits, underscores and dollar signs are permitted in variable names

-Case matters when it comes to variable names

- a letter, an undersore or a dollar sign must be the first character in a variable name, aby other special character must not be taken

-certain terms such as reserverd words in js shouldn’t be used to name variables

1. **What are the data types supported by JavaScript?**

-strings

-numbers,

-booleans

-undefined

-null

1. **What are the disadvantages of using innerHTML in JavaScript?**

- Event handlers attached to any DOM element are preserved

-Replacement is done everywhere

-It is not possible to append innerHTML

-Breaks the document

-USed for Cross-site Scripting

1. **Write a JavaScript program to find the area of a triangle where lengths of the three of its sides are 5, 6, 7**

const L1 = 5

const L2 = 6

const L3 = 7

const Area = L1\*L2\*L3

console.log(‘${Area}’)

1. **Write a JavaScript program to determine whether a given year is a leap year in the Gregorian calendar.**

function leapyear(year) { return (year % 100 === 0) ? (year % 400 === 0) : (year % 4 === 0); }

console.log(leapyear(2016));

console.log(leapyear(2000));

console.log(leapyear(1700));

console.log(leapyear(1800));

console.log(leapyear(100));

1. **Write a JavaScript exercise to create a variable using a user-defined name.**

var var\_name = 'abcd'; var n = 120; this[var\_name] = n; console.log(this[var\_name])

1. **Write a JavaScript program to check from two given integers, whether one is positive and another one is negative.**

function positive\_negative(x, y) { if ((x < 0 && y > 0) || x > 0 && y < 0) { return true; } else { return false; } } console.log(positive\_negative(2, 2)); console.log(positive\_negative(-2, 2)); console.log(positive\_negative(2, -2)); console.log(positive\_negative(-2, -2));

1. **What are the scopes of a variable in JavaScript?**

- Global Scope

- Local Scope

- Block Scope

- Function Scope

1. **How to create a cookie using JavaScript?**

document.cookie = "username=John Doe; expires=Thu, 18 Dec 2013 12:00:00 UTC";

1. **List out the different ways an HTML element can be accessed in a JavaScript code.**

- Get HTML element by id

- Get HTML element by className

- Get HTML element by Name

- Get HTML element by tagName

-Get HTML element by CSS selector

1. **In how many ways a JavaScript code can be involved in an HTML file?**

2 ways

1. **What are the ways to define a variable in JavaScript?**

-var

-let

-const

-using nothing

1. **What is the difference between Local storage & Session storage?**

While data in local storage doesnot expire, data in sessionStorage is cleared when the page session ends

1. **What is the difference between the operators ‘==‘ & ‘===‘?**

The == operator checks if 2 values are equal, while the === compares the values as well as the datatypes

1. **What is the difference between null & undefined?**

Null is the intentional absence of the value

Undefined means the value doesnot exist in the compiler

1. **What is the difference between innerH TML & innerText?**

innetHtml returns all text including html tags, that is contained by an element while innerText returns all text containerd by an element and all its child elements

1. **What is an event bubbling in JavaScript?**

Event bubbling is a method of event propagation in the HTML DOM API when an event is in an element inside another element, and both elements have registered a handle to that event.

1. **How do JavaScript primitive/object types pass in functions?**

Primitive Data Types are passed to a function by value

1. **What would be the result of 10+6+”3″?**

163

21) **What will be the output of the code below?**

**var Y = 1; if (function F(){}) {**

**y += Typeof F; /span**

**}**

**console.log(y);**

RESULT: a synthax error