Java Script

→ It is used to create client-side dynamic pages.

→ JS is an object-based Scripting language which is :-

    ↳ lightweight & interpreted language
    ↳ cross-platform

→ It is a case-sensitive language.

→ It is used by several websites for scripting the webpages

Applications

   ↳ client-side validation

   ↳ Dynamic drop down menus

   ↳ Displaying date & time

   ↳ Displaying Pop-up windows & dialogbox (like alert box) etc.

    etc.

eg.

```
<html>
<body>
<h1> welcome to zoom lecture </h1>
<script>   or  <script type = "text/javascript">
document.write(" Hello class ");
</script>
</body>
</html>
```

It is function used to display the content

Q. where we need to Add JavaScript code?

   ↳ There are two ways

   ① ┌→ Inside the file (HTML) ┌→ B/w body tag → script to run when page loads
                     └→ B/w head tag → execute at particular event (like onclick button) used functions
     └→ External file. (Ex :- on system)

$\Rightarrow$ Variables

eg   int i, String s, var i

$\rightarrow$ It is simply a name of Storage location.

$\rightarrow$ Two Types
     $\rightarrow$ local $\rightarrow$ declared inside the block or function
     $\rightarrow$ Global $\rightarrow$ declared outside & accessible from anywhere.

$\rightarrow$ Having Some rules
     $\rightarrow$ Names must start with a letter (a to z) or (A to z), or
         — or $ (dollar sign).
     $\rightarrow$ After first letter we can use digits (0 to 9)
     $\rightarrow$ JS Variables are case-sensitive
       ex: X or x
            Both are different

                           Global Variable

ex   local Variable