

JavaScript

JavaScript is a versatile programming language primarily used for web development. It allows developers to create interactive websites and dynamic web applications. JavaScript can be used on both the client-side and the server-side, making it an essential tool for modern web developers.

JavaScript in HTML code

1) in head

Program :- Write JavaScript in Head part

```
<!DOCTYPE html>
<html>
<head>
  <script>
    document.getElementById("demo").innerHTML = "Hello Dolly!";
  </script>
</head>
<body>

<h2>JavaScript Statements</h2>

<p>
The best place to break a code line is after an operator or a comma.
</p>

<p id="demo"></p>

</body>
</html>
```

Note :- when we write java script code in head at that time we try to access the id of html element but html element is present in body and body part is run after head part so we can't access id there for error is occur

Solution :- using onload event

```

<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1">
  <title>t</title>
  <script type="text/javascript">
    function f()
    {
      document.getElementById("h").innerHTML="Hello Prathak"
    }

  </script>
</head>
<body onload="f()">
  <h1 id="h"></h1>
</body>
</html>

```

2) in body

Program :- Write JavaScript in Body part

```

<!DOCTYPE html>
<html>
<head>

</head>
<body>
<h2>JavaScript Statements</h2>
<p>
The best place to break a code line is after an operator or a comma.
</p>

```

```
<p id="demo"></p>
  <script>
    document.getElementById("demo").innerHTML = "Hello Dolly!";
  </script>
</body>
</html>
```

Note :- this code run proper because we write java script code in body body is run first means we can access id of html element and set data over there.