**javascript**

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| Internal js  <style> alert(“mess popped on screen”); </style>  in website all js are executed first then html files |
| Comments In js  // single line  /\* \*/ multiple line |
| External js  <script type=”text/javascript” src=”js/scripts.js”> </style> |
| Inline js  <a href=”#” onClick=”alert(‘mess to popped’);”>click me </a> |
| debug js in inspect mode in sources or console |
| \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*JAVASCRIPT LANG SYNTAX\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* |
| Java script is case sensitive |
| Variable  var message;  message = “ “;  message=”snfjs”;  alert(message);  console.log(message); // message shown in console  var counter=0;  message =”counter values” +counter; //display counter value;  const pi=3.14;  <script type=”text/javascript”> document.write(“ your mess to show on web”);  </script>  primitive datatypes    number boolean string  var counter=0;  var name =”krunal”;  var flag = true; |
| Assingment opperator  arithmetics operator  logical operator  same as c++  var input1 = prompt(“enter the number”);  var input2 = prompt(“enter the second number”); //takes input from user in alert  box |
| String method  use + button to add strings  indexOf(search, position)  substr(start,length)  substr(start,stop)  toLowerCase()  toUppercase()  escape character  \ eg ‘we\’ll see you soon’ |
| Arrays  var colorArray = [‘white’ ,‘black];  console.log(colorArray);  console.log(colorArray[1] );  colorArray[0] = ‘red’; |
| Date and time  var today = new Date();  today.toDateString();  today.getFullyear();  today.getDate(); today.getMonth();  if statements  if(condition) { } else{ } |
| Switch statements  switch(variable){  case value:  //statement  break;  case value2:  break;  default:  break;} |
| while(condition)  { } |
| Do while  do{ }while(conditin) |
| for(i =0; condition ; i++)  { } |
| Function in js  function sum(a,b){  return a+b;  }  sum(2,5);  var size = fuction(width,height){  return width\*height; }  size(10,5); |
| Object in js  function Area(a,b){  this.input = a;  this.input2 = b;  this .getarea = function(){  return this.input \* this.input2;  }  }  var input = prompt(“enter the no);  var input2 = prompt(“enter the no”);  var result = 0;  input = parseInt(input);  input2 = parseInt(inpu2);  var a1 = new Area(input, input2);  result = a1.getArea(); |
| Events  <a href=”#” onclick=”alert(‘welcome’);”> click </a>  <a href=”#” onmouseover=”alert(‘welcome’);”> click </a>  <a href=”#” onclick=”alert(sum(10,20));”> click </a> call function on click |
| Try and catch error  try{  var input = prompt(“enter no”);  if (input == “”) throw “no value “;    alert(“value entered”);  } catch(error){  alert(error);  }  finally{  alert(“good day”)  } |
| Find an elements  <script>  function show(){  var txt = document.getElementById(“txtname”).value;  alert(txtname);  } </sript>  <form> <input =” text” id=”txtname” />  <input type=”button” onclick=’show();’ value=”show value” />  </form> |
| Updating the elements  <script>  function update(){  document.getElementById(‘txtValue’).innerHTML = document.getElementById(‘txtname’).value;  } </script>  <p id=”txtValue”></p>  <form>  <input type =”text” id=”txtname” onkeypress=”update();” /> |
| Accessing browser url  <a href=”#” onclick=”histroy.back();”> go back </a>  <a href=”#” onclick=”histroy.forward();”> go forward </a> |
| Bootstrap temp  <!doctype html>  <html lang="en">  <head>  <!-- Required meta tags -->  <meta charset="utf-8">  <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">  <!-- Bootstrap CSS -->  <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.1.3/css/bootstrap.min.css" integrity="sha384-MCw98/SFnGE8fJT3GXwEOngsV7Zt27NXFoaoApmYm81iuXoPkFOJwJ8ERdknLPMO" crossorigin="anonymous">  <title>Hello, world!</title>  </head>  <body>  <h1>Hello, world!</h1>  <!-- Optional JavaScript -->  <!-- jQuery first, then Popper.js, then Bootstrap JS -->  <script src="https://code.jquery.com/jquery-3.3.1.slim.min.js" integrity="sha384-q8i/X+965DzO0rT7abK41JStQIAqVgRVzpbzo5smXKp4YfRvH+8abtTE1Pi6jizo" crossorigin="anonymous"></script>  <script src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.14.3/umd/popper.min.js" integrity="sha384-ZMP7rVo3mIykV+2+9J3UJ46jBk0WLaUAdn689aCwoqbBJiSnjAK/l8WvCWPIPm49" crossorigin="anonymous"></script>  <script src="https://stackpath.bootstrapcdn.com/bootstrap/4.1.3/js/bootstrap.min.js" integrity="sha384-ChfqqxuZUCnJSK3+MXmPNIyE6ZbWh2IMqE241rYiqJxyMiZ6OW/JmZQ5stwEULTy" crossorigin="anonymous"></script>  </body>  </html> |
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| DOM |
| Document.getElementsByTagname(“ ”)  Document.getElementsByCla  ssname(“ “)  Document.getElementById( “ “ )  document.querySelector(“ “ )  document.querySelectorAll(“ “ )  cclasslist.add(“ “ ) |
| document.querySelector(“ “ ).getAttribute(“ “)  document.querySelector(“ “ ).setAttribute(“ “) |
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