**JAVASCRIPT**

**Name: Rohit Kumar Sahoo**

1) <html>

<body>

<script language = "javascript" type = "text/javascript">

/\*

document.write("Hello World!")

\*/

</script>

</body>

</html>

O/P: No Output

2) <script language = "javascript" type = "text/javascript">

var1 = 10;

var var1 = 20;

document.write(var1);

</script>

O/P: 10

3) <script type = "text/javascript">

var one, two;

document.write(one);

</script>

O/P: Null

4) <html>

<body onload = checkscope(5);>

<script type = "text/javascript">

var myVar = "global"; // Declare a global variable

function checkscope(mvar) {

var myVar = "local"; // Declare a local variable

document.write(mvar);

}

</script>

</body>

</html>

O/P: 5

5)

<script type = "text/javascript">

<!--

var a = 15;

var b = 3;

var c = "Test";

var linebreak = "<br />";

document.write("a + b = ");

result = a + b;

document.write(result);

document.write(linebreak);

document.write("a - b = ");

result = a - b;

document.write(result);

document.write(linebreak);

document.write("a / b = ");

result = a / b;

document.write(result);

document.write(linebreak);

document.write("a % b = ");

result = a % b;

document.write(result);

document.write(linebreak);

document.write("a + b + c = ");

result = a + b + c;

document.write(result);

document.write(linebreak);

a = ++a;

document.write("++a = ");

result = a;

document.write(result);

document.write(linebreak);

b = --b;

document.write("--b = ");

result = --b;

document.write(result);

document.write(linebreak);

//-->

</script>

O/P: a+b = 18

a-b=12

a/b=5

a%b=0

a+b+c=18Test

++a=16

--b=2

6) <script type = "text/javascript">

<!--

var a = 24;

var b = 24;

var linebreak = "<br />";

document.write("(a == b) => ");

result = (a == b);

document.write(result);

document.write(linebreak);

document.write("(a < b) => ");

result = (a < b);

document.write(result);

document.write(linebreak);

document.write("(a > b) => ");

result = (a > b);

document.write(result);

document.write(linebreak);

document.write("(a != b) => ");

result = (a != b);

document.write(result);

document.write(linebreak);

document.write("(a >= b) => ");

result = (a >= b);

document.write(result);

document.write(linebreak);

document.write("(a <= b) => ");

result = (a <= b);

document.write(result);

document.write(linebreak);

//-->

</script>

O/P: (a==b)=>true

(a<b)=>false

(a > b)=> false

(a != b)=> false

(a >= b)=>true

(a <= b)=>true

7) <script type = "text/javascript">

<!--

var a = false;

var b = false;

var linebreak = "<br />";

document.write("(a && b) => ");

result = (a && b);

document.write(result);

document.write(linebreak);

document.write("(a || b) => ");

result = (a || b);

document.write(result);

document.write(linebreak);

document.write("!(a && b) => ");

result = (!(a && b));

document.write(result);

document.write(linebreak);

//-->

</script>

O/P: (a && b) => false

(a || b) => false

!(a && b) => true

8) <script type = "text/javascript">

<!--

var a = 24;

var b = 3;

var linebreak = "<br />";

document.write("Value of a => (a = b) => ");

result = (a = b);

document.write(result);

document.write(linebreak);

document.write("Value of a => (a += b) => ");

result = (a += b);

document.write(result);

document.write(linebreak);

document.write("Value of a => (a -= b) => ");

result = (a -= b);

document.write(result);

document.write(linebreak);

document.write("Value of a => (a \*= b) => ");

result = (a \*= b);

document.write(result);

document.write(linebreak);

document.write("Value of a => (a /= b) => ");

result = (a /= b);

document.write(result);

document.write(linebreak);

document.write("Value of a => (a %= b) => ");

result = (a %= b);

document.write(result);

document.write(linebreak);

//-->

</script>

O/P: Value of a => (a = b) => 3

Value of a => (a += b) =>6

Value of a => (a -= b) =>3

Value of a => (a \*= b) =>9

Value of a => (a /= b) =>3

Value of a => (a %= b) =>0

9)<script type = "text/javascript">

<!--

var a = 10;

var b = 20;

var linebreak = "<br />";

document.write ("((a > b) ? 100 : 200) => ");

result = (a > b) ?100 : 200;

document.write(result);

document.write(linebreak);

document.write ("((a < b) ? 100 : 200) => ");

result = (a < b) ?100 : 200;

document.write(result);

document.write(linebreak);

//-->

</script>

O/P: ((a > b) ? 100 : 200) => 200

((a < b) ? 100 : 200) => 100

10)<script type = "text/javascript">

<!--

var a = "90";

var b = "suryam";

var linebreak = "<br />";

result = (typeof b == "string" ? "B is String" : "B is Numeric");

document.write("Result => ");

document.write(result);

document.write(linebreak);

result = (typeof a == "string" ? "A is String" : "A is Numeric");

document.write("Result => ");

document.write(result);

document.write(linebreak);

//-->

</script>

O/P: Result => B is String

Result => A is String

11) <script type = "text/javascript">

<!--

var book = "php";

if( book == "java" ) {

document.write("<b>Java Book</b>");

} else if( book == "php" ) {

document.write("<b>Mysql Book</b>");

} else if( book == "mysql" || book == "php" ) {

document.write("<b>PHP Book</b>");

} else {

document.write("<b>Unknown Book</b>");

}

//-->

</script>

O/P: Mysql Book

PHP Book

12) <script type = "text/javascript">

<!--

var grade = 'A';

switch (grade) {

case 'A': document.write("Good job<br />");

break;

case 'A': document.write("Pretty good<br />");

break;

case 'C': document.write("Passed<br />");

break;

case 'D': document.write("Not so good<br />");

break;

case 'F': document.write("Failed<br />");

break;

default: document.write("Unknown grade<br />")

}

//-->

</script>

O/P: Good job

Pretty good

13) <script type = "text/javascript">

<!--

var grade = 'D';

switch (grade) {

case 'A': document.write("Good job<br />");

case 'B': document.write("Pretty good<br />");

case 'C': document.write("Passed<br />");

case 'D': document.write("Not so good<br />");

case 'F': document.write("Failed<br />");

default: document.write("Unknown grade<br />")

}

//-->

</script>

O/P: Not so good

Failed

14) <script type = "text/javascript">

<!--

var count = 7;

while (count < 10) {

count++;

document.write("Current Count : " + count + "<br />");

count++;

}

//-->

</script>

O/P: 8

9

10

15) <script type = "text/javascript">

<!--

var count = 9;

do {

document.write("Current Count : " + count + "<br />");

count--;

}

while (count > 5);

//-->

</script>

O/P: 9

8

7

6

16)<script type = "text/javascript">

var count;

for(count = 7; count > 5; count--) {

document.write("Current Count : " + count );

document.write("<br />");

}

</script>

O/P: 6

17) <script type = "text/javascript">

<!--

var x = 3;

while (x < 12) {

if (x == 7) {

break; // breaks out of loop completely

}

x = x + 2;

document.write( x + "<br />");

}

//-->

</script>

O/P: 5

7

18) <script type = "text/javascript">

<!--

var x = 5;

while (x < 10) {

x = x + 2;

if (x == 9) {

continue; // skip rest of the loop body

}

document.write( x + "<br />");

}

//-->

</script>

O/P:7

9

11

19) <script type = "text/javascript">

/\*

var salary = 10000;

if( salary> 15000 ) {

document.write("<b>Qualifies for Personal Loan</b>");

}

else {

document.write("<b>Dis-qualifies for Personal Loan</b>");

}

\*/

</script>

O/P: Dis-qualifies for Personal Loan

20)

<head>

<script type = "text/javascript">

var age = 25;

function sayHello(name, age) {

document.write (name + " is " + age + " years old.");

}

</script>

</head>

<body>

<p>Click the following button to call the function</p>

<form>

<input type = "button" onclick = "sayHello('Peter')" value = "Say Hello">

</form>

</body>

O/P:

the following button to call the function

peter 25

21) <head>

<script type = "text/javascript">

function xyz(first, last) {

var fullname = first + last;

return first;

}

function abc() {

var result = xyz('Peter', 'Parkar');

document.write (result);

}

</script>

</head>

<body>

<form>

<input type = "button" onclick = "abc()" value = "Call Function">

</form>

</body>

O/P:peter

22) <head>

<script type = "text/javascript">

<!--

function first() {

alert("Single Click");

}

//-->

<!--

function second() {

alert("Double Click");

}

//-->

</script>

</head>

<body>

<form>

<input type = "button" ondblclick = "first()" onclick="second()" value = "Click here" />

</form>

</body>

\* What will be the output with single click and also in double click.

O/P:single click then o/p => alert("Double Click")

double click then o/p => alert("Single Click")

23) Write a script to redirect a page to google.com in 5 seconds.

Html

<button onClick = delay() > <a className href = [www.google.com](http://www.google.com) target = \_blank> click me</button>

Script

setTimeout(delay() =>({

console.log(“it will be printed after 5 sec);

},5000);

O/P:

24) Write your name on the browser using Prompt Box.

O/P:

Html

<p class =”para”></p>

<button class=”btn”>click me to get name</button>

Script

let value = prompt(“enter your name”);

let paras= document.getElementByClassName(“para”);

Let btnn = document.getElementByClassName(btn).addEventListener(“onclick”,()=>{

Paras.InnerHTML=value;

}

25) Write a short script using ‘onmouseout’.

O/P: Html

<div classs=”div”></div>

Script

let divs= document.getElementByClassName(“div”);

divs.addEventListener(“onmouseOver”,()=>{

alert(“inside the div”);

}

divs.addEventListener(“onmouseOut”,()=>{

alert(“outside the div”);

}