

JavaScript Test

Q1) What kind of language is JavaScript and what are the datatypes in JavaScript?

Q2) Give the output of the Snippet code.

1. output

```
let ans2 = (24 - 22 * 3) / (12/2) - 55 + 42
console.log(ans2)
```

a.

```
let score = 100;
let ans = score == 100
console.log(ans)

let score2 = 1;
let ans1 = score2 == "1"
let ans2 = score2 === '1'
console.log(ans1)
console.log(ans2)
```

b.

```
function add(num1 , num2=123){
    console.log(num1)
    console.log(num2)
    console.log(num1+num2)
}

add(14 , 23);
```

c.

d. Write a code where u have to check which age group can give vote or not.

e. Find a random number between [7,32] and 32 is inclusive.

Q3) what is objects?

- Find the error and correct it and give the output.

```
let kuchbhi2 = {
  a : 10,
  b : 20,
  c : "true",
  fn : function sam(){
    return("i am doing advance js");
  },
  totalMarks : function(){
    // console.log(this);
    return this.dsa + this.web
  }
}

let ans1 = kuchbhi2.sam();
console.log(ans1);
let ans2 = totalMarks();
console.log(ans2)
```

Q4) What is an Array? Write an example and print the array using different datatypes with there index?

Q5) Write the output of the code?

```
let arr = [10,20,[100,[2001,2002,2003], 300], null, undefined, "sam"];
```

Tell the index of the value = 2002 of an array and also tell the what kind of array it is?

Q6) what we used to remove extra space in a string and also tell the length?

```
let naam2 = "          samarth          ";
```

Q7) Difference between push(), pop(), shift() and unshift() method with example?

Q8) Difference between for-of and for-in loop with example?

Q9) Difference between let, var and const?

Q10) explain the steps of how js work with one example?

Q11) give outputs of the snippet.

```
let obj = {
  first : 'rahul',
  last : 'prajapati',
  age: 22,
  favColor : 'white',
  isMale : true
}

for(let item in obj)
{
  console.log(item)
  console.log(obj.item)
  console.log(obj[item]);
}
```

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```
var a = 10;
var b = 10;
console.log(a);

function sam(){
  var c = 20;
  console.log(c);
}

sam();
console.log(b)
```

•

```
let x = 10;
console.log(x);
function a(){
  x=100;
  console.log(x);
}

a();
x=1000;
```

•

```

let a = 10;
function b(){
  console.log(a);
  function c(){
    console.log(a)
  }
  return c;
}

let c = b();

a=100;

c();

console.log(a);|

```

•

```

let a = 10;
var b = 20;

{
  console.log(b)
  var b = 100;
  console.log(b)
}

console.log(b)|

```

•

```

function a(){
  console.log('inside a');
  function b(){
    console.log("inside b");
  }
  return b;
}

let returnedAns = a();
returnedAns();

```

•

```

function x(){
  var a =7;
  function y(){
    console.log(a);
  }
  return y;
}

var z = x();|
console.log(z);
z();

```

•

```
function createCounter() {
  let count = 0;
  return function() {
    return ++count;
  };
}

const counter = createCounter();
console.log(counter());
console.log(counter());
```

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```
let a = 10;
function outer() {
  let b = 10;
  function inner() {
    console.log("hello test kesa hai");
    console.log(a);
    console.log(b);
  }
  return inner;
}
let d = outer();
d();
```

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```
let sam = 10;

function fun(){
  let a = "Iranman";

  function innerFun(){
    console.log(baba)
  }

  return innerFun;
}

let returnedValue = fun();
returnedValue();
```

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Q12) what hoisting? Give example.

Q13) explain DTZ and in which deceleration DTZ happen , give example?

Q14) what is Scopping? What are the different scopes for different declarations?

Q15) explain what is Higher-order-function with both the conditions and example?

Q16) what is closure?

Q17) give one example while using callback function and explain callback function.