Interview Questions

1) Difference between Var and let ?

2) Difference between == and === ?

3) Const

4) What is the difference between undefined and null

**1) Difference between Var and let ?**

Ans:

|  |  |
| --- | --- |
| Var | Let |
| 1) “Var” is there in JS from the beginning | “Let “ was introduced in ES2015/ES6 |
| 2) “var” has functional Scope, it will die at the end of the functional block | “Let” is block scope, it will die at the of the block is defining |
| 3) “var” gets hoisted at the top of the function | Variable with “let” does not hoisted |

A screenshot of a computer

Description automatically generated with medium confidence

We got **“b”** defined and

“a” got error - “**Uncaught ReferenceError: Cannot access 'a' before initialization”**

A screenshot of a computer

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**“b” – got defined and value is printed – because b has functional scope**

**“a” – uncaught reference error – ‘a‘ Is not defined**

2) Difference between == and === ?

**Ans:**

1) Both “==” and “===” are comparison operators.

2) “==” compares the value only

3) “===” compares value and type.

**3) Const Keyword:**

 const x;

      x=10;

      console.log(x);

**It gives an error -- “Uncaught SyntaxError: Missing initializer in const declaration”**

  const x=10;

      console.log(x);

      x=1;

      console.log(x);

**we cannot reassign the values.**

**For Objects , we can do**

  const arr1 = [10,20,30,40];

      arr1.push(50);

      console.log(arr1);

      const arr2 = [ {

          id:1,

          name:"veer"

      },

    {

        id:2,

        name: "thonda"

    }]

    arr2.push({

        id:3,

        name: "ff"

    })

    console.log(arr2);

**4) What is the difference between null and Undefined?**

Ans: Both will represent **empty values**, but the difference is that when you define a variable, but **not assign to it**, it automatically puts a placeholder which is called **undefined.**

var z;

    console.log(typeof undefind);

    var t= null;

    console.log(t);

    console.log(typeof t);

**typeof undefined 🡪 undefind**

**typeof null 🡪 object**