

```

// Hoisting
console.log(a); //kaj korbe na

var a = 'BD';
console.log(a);

//a niche decloer kori
console.log(a);
var a = 'BD'; //undefine error na aita o ekta value //Hoisting er karone undefine dakse but asher kotha chilo error

//ki vabe undefine ashe?
console.log(a);
var a = 'BD'; //var = a, a = 'BD';
//.js file code jokhon compiler er kase jabe, tokhon js engine shob variable declaration gula ke tene a ke tene upore
tule, only declaration not assignment.
//so jokhon execution kore tokhon variable er jonno ekta jaiga allocate kore and jahutu var she ekta default value bosiya
dai undefine.

//let diya dakhi ki hoi..
console.log(a); //output error
let a = 'BD'; //let er khatre o hoisting hosse ektu onno vabe
//variable declare er por shate shate by default undefine set kore na

//akhon undefine ashbe
let a; // a= 'undefine' peya gese tokhon ai undefine niche chilo tai referance error dakachilo //undefine karon akhon to
er hoisting kaj korse na let upore e ase
console.log(a);

**** let er bela jai line a define hoise shai line e undefine hoi
var by default shate shate e undefine hoi but let je line e decler kora hoi shai line e undefine set hoi tai niche decler
korai value pacchilo na

var LANGUAGE = "java";
var language = "JavaScript";

function getLanguage() {
  if (!language){
    var language = LANGUAGE; //var hower karone hoisting kore baire bariya gese tai output js
  }
  return language;
}
console.log(`I love ${getLanguage()}`); //output java

let LANGUAGE = "java";
let language = "JavaScript";

//let block scope ai block er baire she jabe na
function getLanguage() {
  if (!language){ //akhane dukbe e na
    let language = LANGUAGE; //how to work? let language; language = undefined; language = LANGUAGE;
  }
  return language;
}
console.log(`I love ${getLanguage()}`); //output javaScript

```

```
//variable and function dafination shob upore tule dai hoisting amon dore nite pari

myFunc();//age call korlam

function myFunc() { //function dafination
  console.log(`I love JavaScript`);
}

function myFunc() { //var function scope a ase //hoisting ai khane o hosse but shudu ai dunier modda e hosse akhon er
  uppor a jabe na
  var language = "JavaScript";//output javascript
  console.log(language);
}
myFunc();

function myFunc() {
  //var language;
  language = " JavaScript";//output javascript
  var language;//aita upore uthe jasse
  console.log(language);
}
myFunc();

//upore call korlam error pabo
//const myFunc;
myFunc();
const myFunc = function() { //myFunc = undefined;
  let language = 'JavaScript';
  console.log(language);
};
```