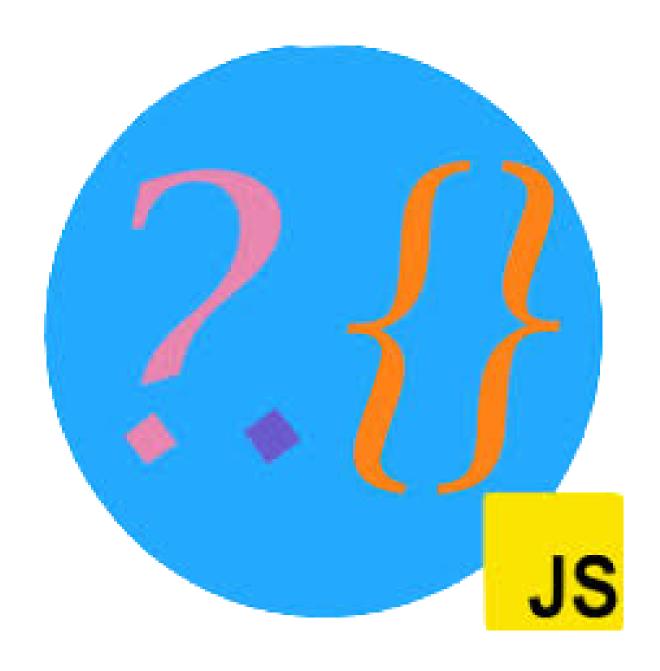
# SCOPESIN JAVASCRIPT

The scope is a policy that manages the accessibility of variables, functions, or objects during runtime.



# global scope

```
// global scope is the outermost scope
const str = "I'm in a global scope"
//window and document are global objects
//supplied by the browser
window.innerHeight
document.characterSet
const obj = {}
function addObjectProperty(key, value){
  //variable obj is from global scope
and/here it is accessed and modified
frømthe local/function scope
  obj[key] = value
addObjectProperty('name', 'abc')
obj //Object {name: 'abc'}
```

# local scope

```
function getAbcFirstName(){
  const firstname = 'Abc'
 return firstname
function getDefFirstName(){
 const firstname = 'Def'
  return firstname
getAbcFirstName() //"Abc"
getDefFirstName() //"Def"
firstname // ReferenceError: firstname is not defined
```

## block scope

```
• • •
if(true){
   const s1 = 'available in block scope only'
   var s2 = "available in and outside block"
}
s1 // ReferenceError: s1 is not defined
s2 // "available in and outside block"
for (let i=0; i<5; i++){
```

## lexical scope

```
// inner function has access to the scope in the
// outer function, this is called lexical scope
function weather(temp){
  const city = 'Indore'
  function getWeather(){
    function toCelsius(){
      // scope and searches outwards until it
      return (5/9)*(temp-32);
    return `today in ${city} is
${}oCelsius()}C`
  return getWeather();
weather(68) // "today in Indore is 20C"
```