



ES6- Block Scope

- Aditya Kumar
Chief Technology Officer, edwisor.com

We will start with the following concepts

- 1) Problem of Variable hoisting
- 2) Concept of Block scope

Old javascript didn't have block scope

Original Program

```
console.log(carPrice)

var carPrice = 200000;
```

How Javascript Sees it

```
var carPrice;

console.log(carPrice)

carPrice = 200000;
```

Variable Hoisting

- Javascript interpreter by default shifts all the variable declaration to top
- So irrespective of wherever you have declared the variable in the program, Javascript will always see the declaration at top
- And hence the output of the program will be “undefined” instead of throwing an error, as every variable in JS is undefined by default
- Can you think why it can become a problem?

We can now solve the problem
using let keyword

```
console.log(carPrice)  
  
let carPrice = 200000;
```

Can you guess the output of this program?

It's not just the small things,
Take a look at this example

```
|var x = 1;  
  
for(var x=0;x<10;x++){  
    console.log(x)  
}  
  
console.log('x = ' + x)
```

Can you guess the output of this program?

It's time to sign a pact and answer a few questions !

- 1) Should I even use **var** keyword ?
- 2) How do I decide whether I really need block scoping or not?
- 3) Does the decision rests entirely up to me?

The next steps are ...

- Const keyword