

Front end development: Tricky Parts 2

JavaScript – scope & hoisting

The following exercise contains the following subjects:

- ◆ scope
- ◆ hoisting

Instructions

Without running the code below, explain in your own words what the result of each block of code will be and why.

If there are any faulty outputs, please write on how we can fix them.

Block 1

```
var myVal= 'Here is my value';
const foo = () => {
  console.log(myVal);
  const bar = () => {
    console.log(myVal);
  }
  bar();
}
foo()
```

Block 2

```
const brr = () => {  
  var brrString = 'brr';  
  console.log(brrString);  
  const bar = () => {  
    console.log(brrString);  
  }  
  bar();  
}  
brr();  
console.log(brrString);
```

Block 3

```
for (let i = 0; i <= 1; i++) {  
  let x = 1;  
  console.log(x);  
}  
console.log(x);  
log(fooString);
```

Block 4

```
const aFunc = (() => {  
  let x = 'Joe';  
  const bFunc = () => {  
    alert(`hello ${x}`);  
  }  
  return {  
    cFunc() {  
      bFunc();  
    }  
  }  
})();  
a.cFunc();
```