

Exercise 1: What's the output in the console?

```
function b() {  
  const y = 30;  
  a();  
  function a() {  
    console.log(x, y);  
  }  
  var x = 10;  
  console.log(x, y);  
}  
const x = 20;  
var y = 40;  
b();
```

output:
undefined 30
10 30

Exercise 2: What's the output in the console?

```
function foo(x) {  
  let m;  
  console.log(x, y);  
  if(x > 5){  
    var y = 5;  
    m = x + y;  
  } else {  
    let z = 10;  
    m = z;  
  }  
  x = m;  
  console.log(x, y);  
}  
  
var x = 10;  
foo(3);  
console.log(x);
```

output:
3 undefined
10 undefined
10

Exercise 3: Write a function `printNumbers (from, to)` that outputs a number every second, starting from `from` and ending with `to`.

```
function printNumbers(from, to) {  
  let current = from;  
  
  let timerId = setInterval(() => {  
    console.log(current);  
    if(current === to) {  
      clearInterval(timerId);  
    }  
    current++;  
  }, 1000);  
}  
  
printNumbers(5, 10);
```