

# Midterm-EC

Wednesday, June 7, 2023 2:28 PM

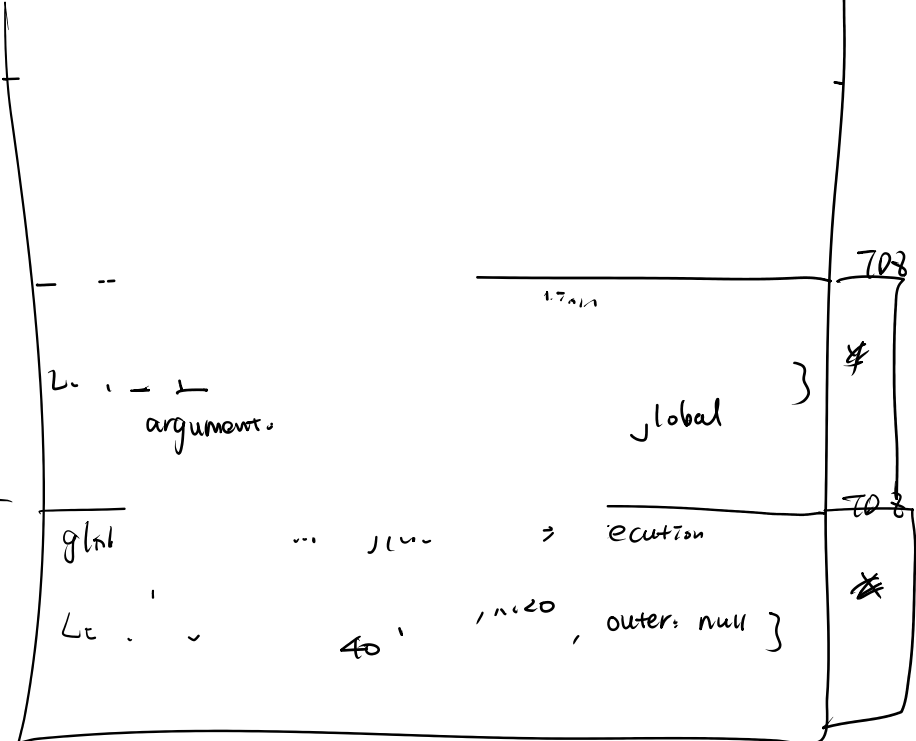
```
function b() {
  const y = 30;
  a();
  function a() {
    console.log(x, y);
  }
  var x = 10;
  console.log(x, y);
}
const x = 20;
var y = 40;
b();
```

order matters

undefined 30  
10 30

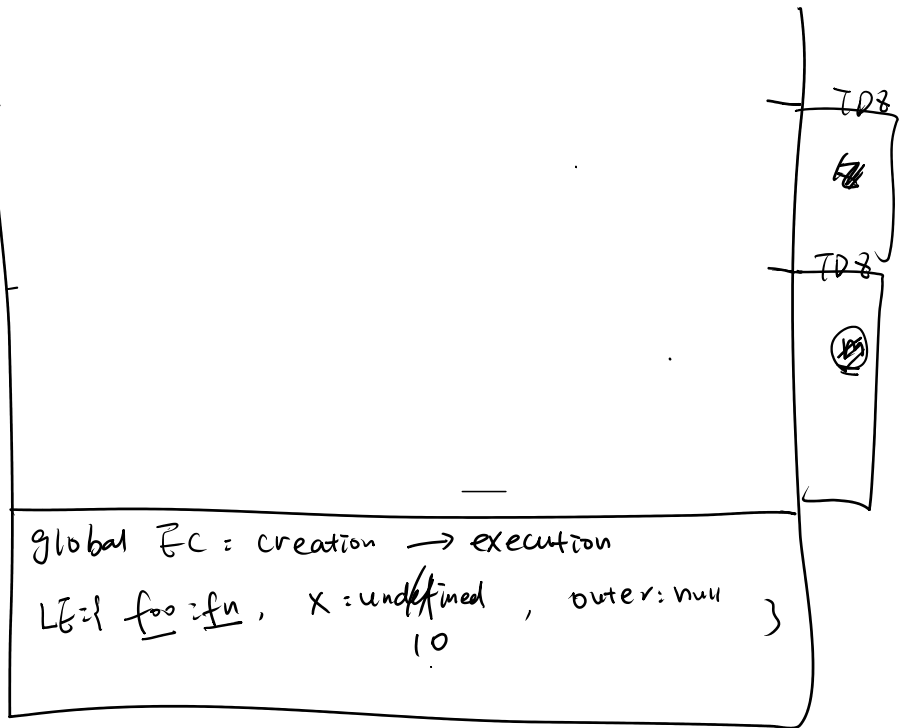
~~10 30~~  
~~undefined 30~~

}: 0



```
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();
console.log(x);
```

3 undefined  
10, undefined  
10



```
function b() {
  const x = 10;
  a(50);
  function a(x) {
    console.log(x);
  }
}
var x = 20;
b();
```

50

Based on the code above,

1. What's the LE of global EC after creation phase finished before execution phase starts?

{ b: fn, x: undefined, outer: null }

2. What's the LE of global EC after execution phase finished?

{ b: fn, x: 20, outer: null }

3. What's the LE of function b EC after creation phase finished before execution phase starts?

{ arguments: { length: 1 }, outer: global }

4. What's the LE of function b EC after execution phase finished?

{ arguments: { length: 1 }, outer: global, x: 10 }

5. What's the LE of function a EC after creation phase finished before execution phase starts?

{ arguments: { length: 1 }, outer: b }

6. What's the LE of function a EC after execution phase finished?

{ arguments: { length: 1 }, outer: b }

