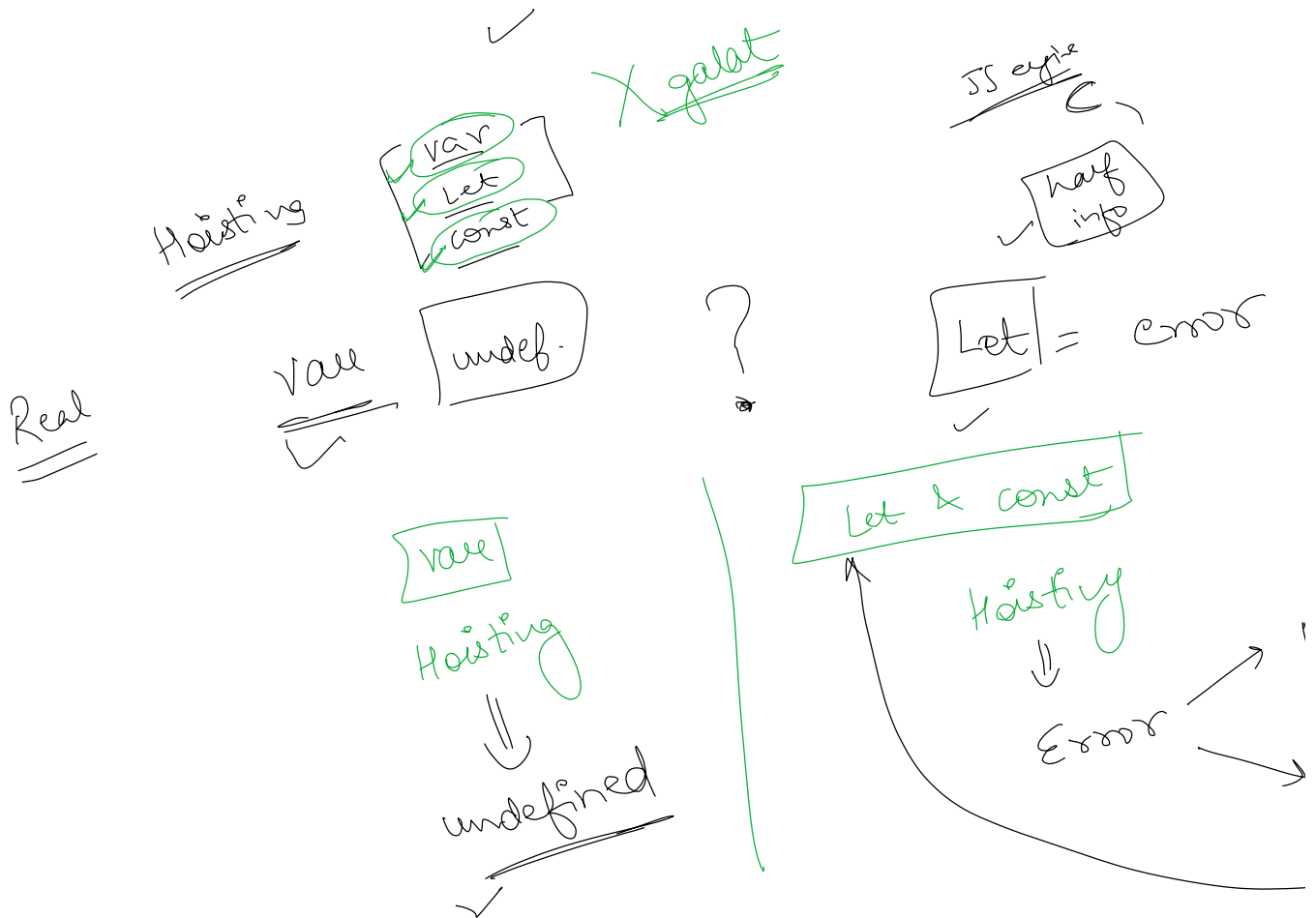
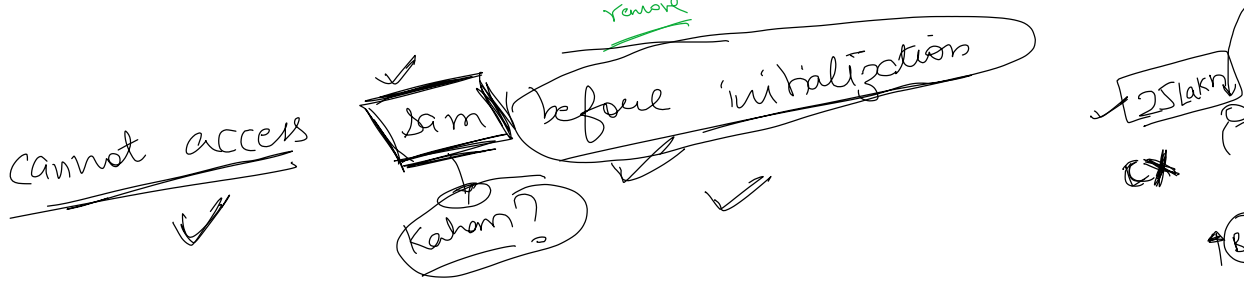
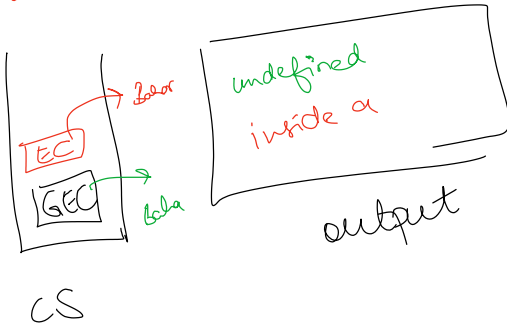


Day-23(hoisting , dtz , scopes , block , script , global ,functional)

Tuesday, 3 October 2023 7:55 PM

```

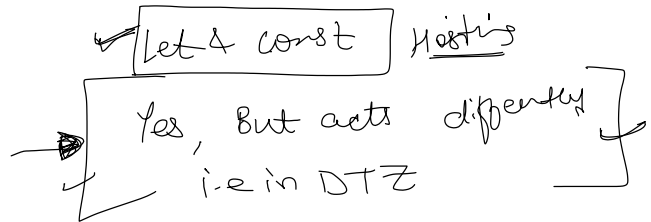
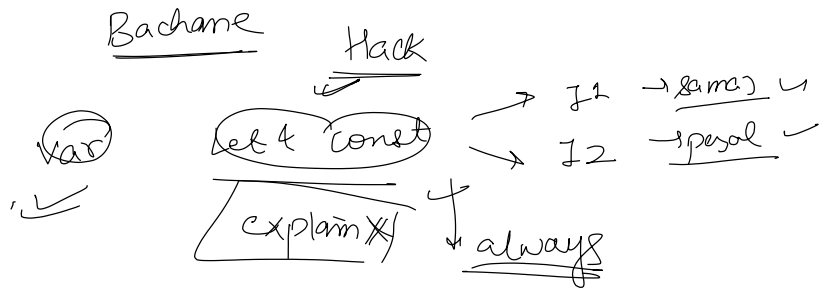
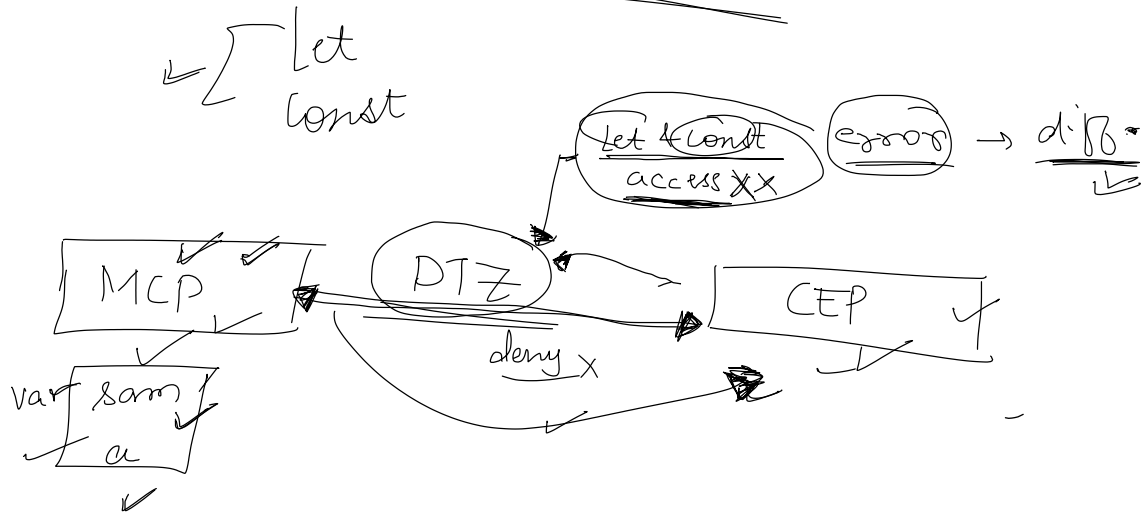
x console.log(sam);
x a();
x var sam = 100;
function a(){
  console.log("inside a")
}
  
```



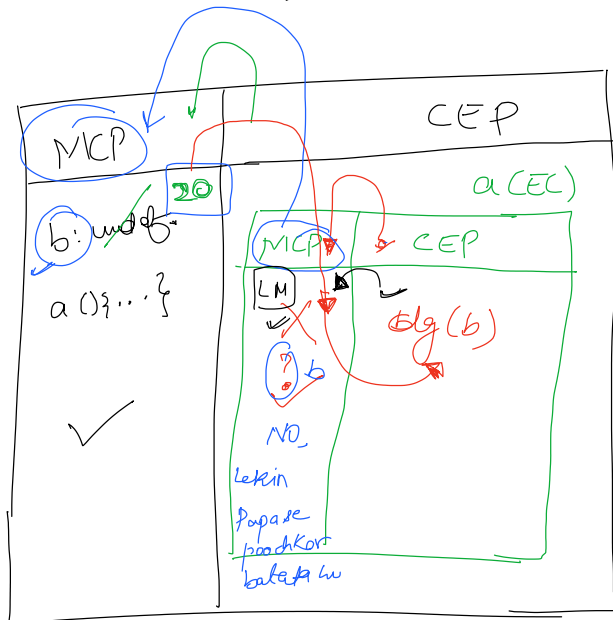
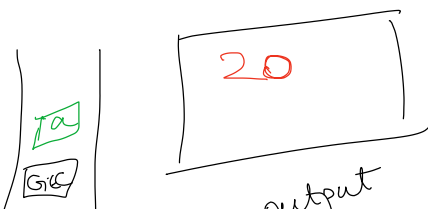
DTZ

Dead temporal

Dead Temporal zone



✓ var b = 20;
function a(){
 ✓ console.log(b);
}
x a(); ✓ ②



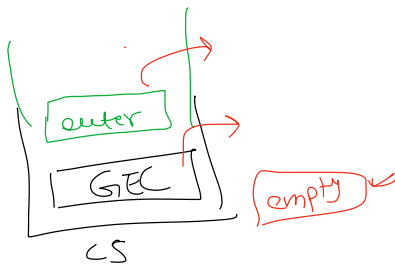
CS

Q. 1

Scoping (Scopes reach)

Lexical environment

Lexical env. = Local memory + Lexical env. of par



LM +

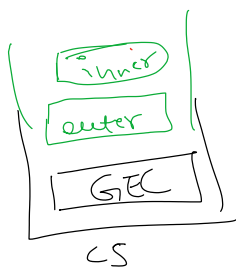
10 output

```

1 function outer(){
2   var b = 10;
3   inner();
4   function inner(){
5     console.log(b);
6   }
7 }
8 outer();
  
```

Annotations: Green checkmarks at lines 2, 3, 5, 8. Red 'X' at line 6. Red circle with '1' at line 8. Red bracket from line 4 to line 8.

MCP	CEP
outer() {--}	
✓	udh jaags



10 output

```

1 function outer(){
2   var b = 10;
3   inner();
4
  
```

Annotations: Green checkmarks at lines 2, 3, 4.

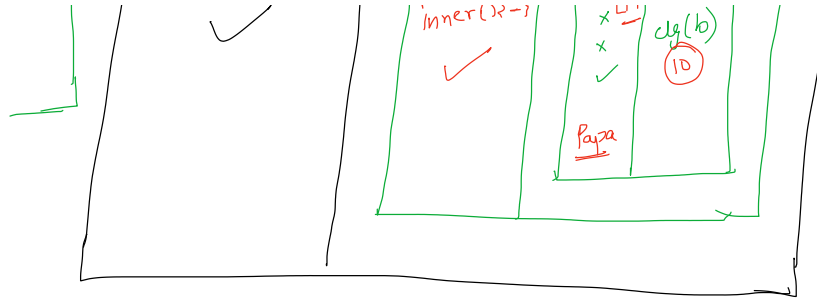
MCP	CEP
outer() {--}	
	<div> <div>MCP</div> <div>10</div> <div>b: undefined</div> </div> <div> <div>MCP</div> <div>CEP</div> </div>

```

5   function inner(){
6       console.log(b);
7   }
8   }
9   outer();

```

✓ ①



```

function outer(){
    var b = 10;
    inner();
    function inner(){
        var b = 1000;
        console.log(b);
    }
    console.log(b);
}
outer();

```

①
x



output

1000
10

MCP	CEP
<pre> outer() { -- } </pre> <p>✓</p> <p>✓</p>	<p>udhgayc</p>

X

X

```

function outer(){
    var b = 10;
    var b = 1000;
    console.log(b);
    console.log(b);
}

```

✓

func() ①
1000
10

outer
GEC

1000 ✓
1000 ✓

output

}
outer(); ✓

CS

