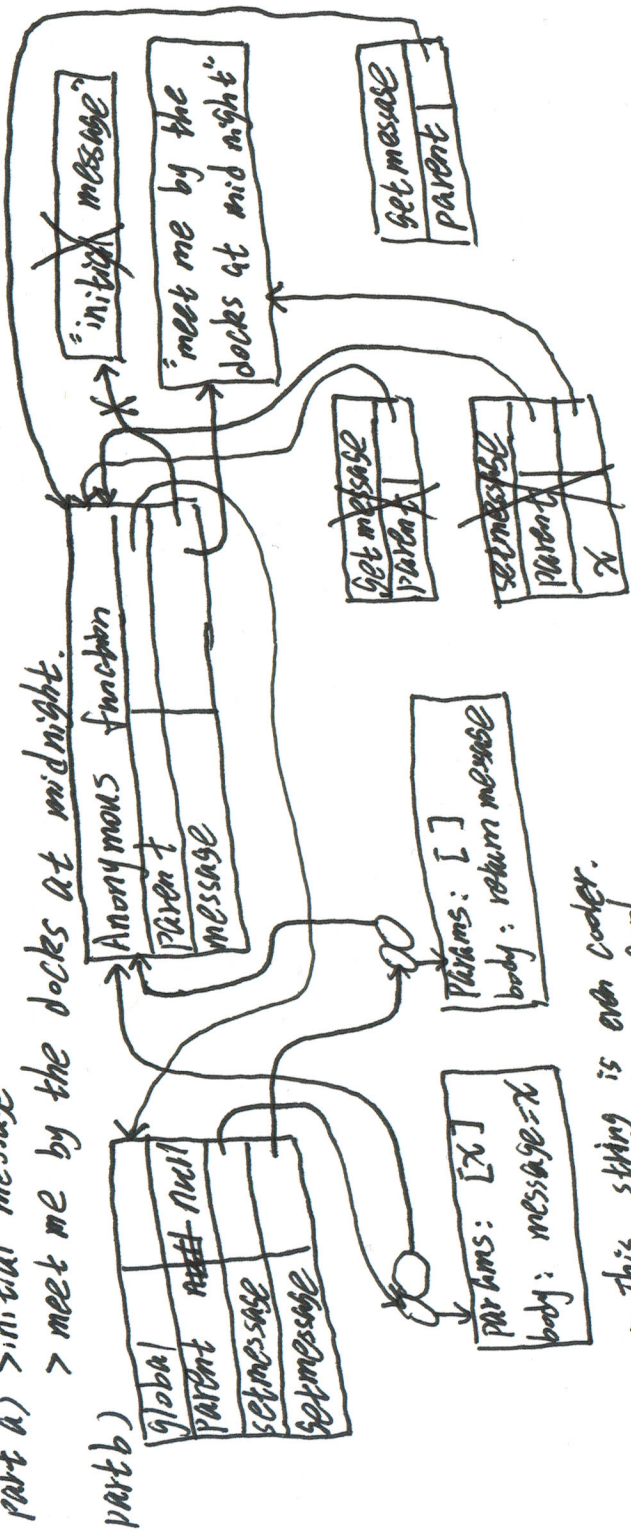


CS164 HW2 Jiazhong Chen.

1. part a) > initial message

> meet me by the docks at midnight.



> This string is even cooler.

part c)

> This string is so cool.

part d) > This string is even cooler.

> This string is the coolest.

part a) > l

> l

> l

> c

> a

> l

because in JS, blocks do not create new scopes, only functions will create new scope.

part c) Yes, since JS is function-level scope, so each function in can create new scope, so each function in lambda does not have distinct index, instead they have the same copy of index.

part d) array = ["c", "a", "l"]

lambdas = []

for index in range(len(array)):

lambdas.append((lambda x: array[x])(index))

```
print lambdas[0]
print lambdas[1]
print lambdas[2]
```

and the output is: c
a
l

part a)

~~for "l" in lambdas:~~

~~for "l" in lambdas:~~

~~for "l" in lambdas:~~

~~for "l" in lambdas:~~

~~for "l" in lambdas:~~

{

part b)

```
for "l" in lambdas:
    def %u1 = %u1
    while (%u1 != null) {
        (lambda() {
            %u1 = %u1
            body()
        })()
    }()
```