## a. Output

`Greetings, John

hi undefined

hello Smith`

---

## b. Lexical Environment Description:

### Global Environment

- \*\*Creation Phase\*\*

- outer: null

- this: window

- LE: [{

str: undefined,

user: undefined,

show: <function>

}]

- TDZ: {}

- \*\*Execution Phase\*\*

- outer: null

- this: window

- LE: [{

str: "Greetings, ",

user: obj,

show: <function>

}]

- TDZ: {}

---

### display() Function Execution Context

- \*\*Creation Phase\*\*

- outer: Global

- this: user

- LE: [{ arguments: { length: 0 } }]

- TDZ: {}

- \*\*Execution Phase\*\*

- outer: Global LE

- this: user

- LE: [{ arguments: { length: 0 } }]

- TDZ: {}

---

### show

- \*\*creation\*\*

- outer: Global Lexical

- this: window

- LE: [{ msg: "hi", arguments: { 0: "hi", length: 1 } }]

- TDZ: {}

- \*\*execution\*\*

- outer: Global LE

- this: window

- LE: [{ msg: "hi", arguments: { 0: "hi", length: 1 } }]

- TDZ: {}

----

### show

- \*\* creation \*\*

- outer: Global LE

- this: user

- LE: [{ msg: "hello", arguments: { 0: "hello", length: 1 } }]

- TDZ: {}

- \*\* execution \*\*

- outer: Window

- this: user object

- LE: [{ msg: "hello", arguments: { 0: "hello", length: 1 } }]

- TDZ: {}

---