STACK

INSTRUCTIONS

Run the code using

npm start

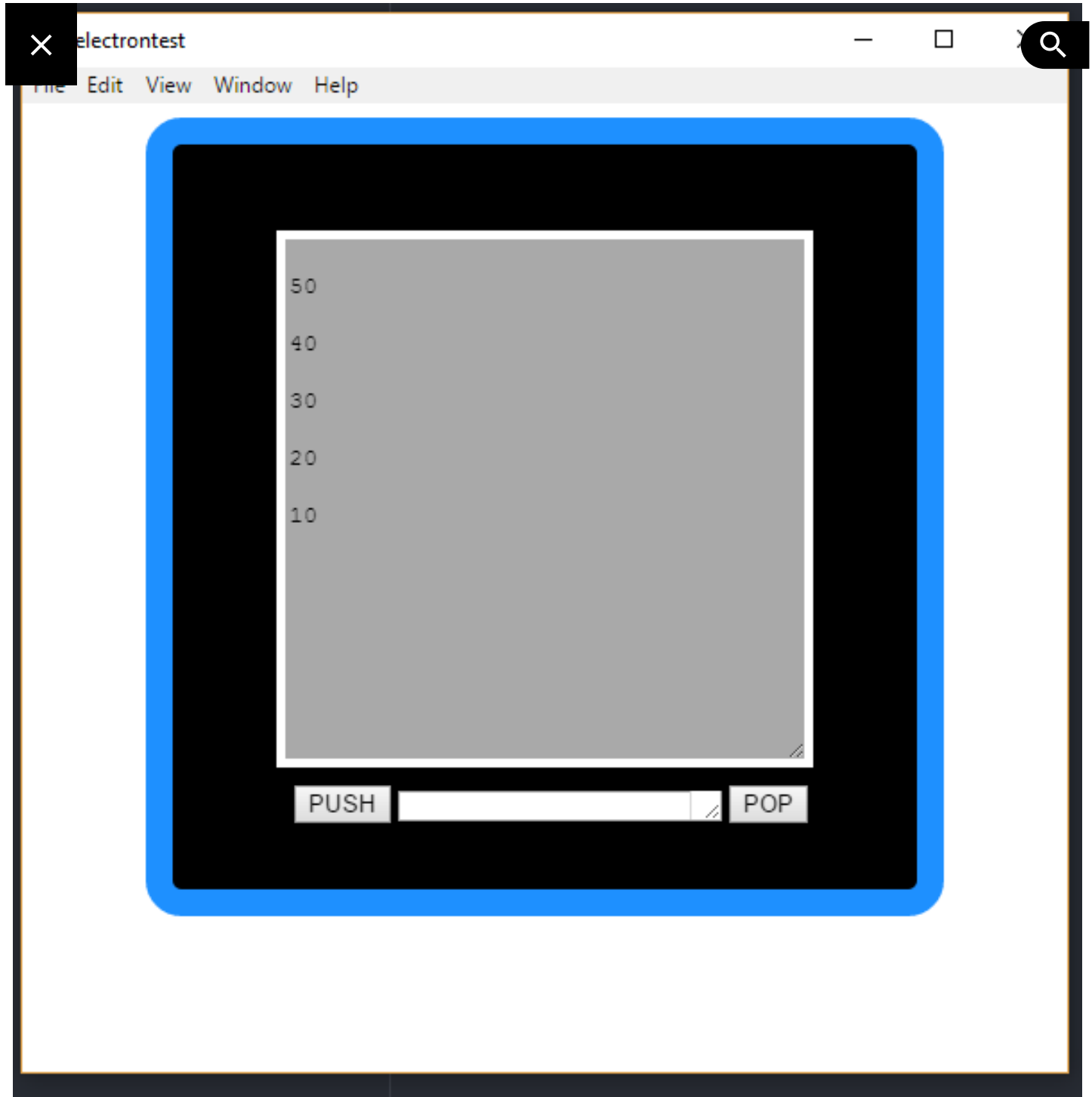## OBSERVATION

A window will appear with html rendered from Welcome.html

OUTPUT

electrontest

File Edit View Window Help

50

40

30

20

10

PUSH   POP

INDEX.JS

✕   🔍

```
st electron = require("electron");

const App = electron.app;

const BrowserWindow = electron.BrowserWindow;

var MainWindow = null;

App.on("ready", () => {
  MainWindow = new BrowserWindow({width:500,height:500});
  MainWindow.loadURL(`file:///${__dirname}/Welcome.html`);
})
```

WELCOME.HTML

```html
<div>
<div >


  <div style="padding-left:200px"></div>
      <div style=" margin-top: auto;margin-bottom: auto;margin-
left: auto;margin-right: auto; margin: auto;width: 400px;height:
400px;background-color:black ;border-radius:20px; border-style:
solid; border-color: dodgerblue; border-width: 15px; padding:8px
">
          <div style="padding-top: 40px; padding-left: 50px;"
contenteditable="false"><textarea id="showStack"
contenteditable="false" style="width: 300px; height: 300px;
background-color: darkgrey; border-style:solid; border-color:
white;border-width:5px  "></textarea></div>
          <div style="padding-left: 60px;padding-top:  10px;
height: 10px">
              <button onclick="pushHandler();">PUSH</button>
              <textarea style="height: 15px;padding-top:
15px;margin-bottom: -5px" id="takeValue"></textarea>
              <button onclick="popHandler();">POP</button>
              <br>                 ⓘ
          </div>
```

```
            </div>

</div>
<script>
var stk = new Array(10);
var st = 10;
var top = 9;
function push(v)
{
    if(st == 0)
    {
        alert("Stack Overflow");
    }
    else
    {
        st = st-1;
        stk[st] = v;
    }
}


function pop()
{
    var temp;
    if(st == 10)
    {
        console.log("Stack underflow");
    }
    else
    {
        temp = stk[st];
        st = st+1;
    }
    return temp;
}


function print()
{
    var evolving = "".
```

```
var evolving =    ;
    for(var i = st; i<stk.length;i++)
    {
        evolving = evolving + "\n" + stk[i] + "\n";
    }
    return evolving;
}
function pushHandler()
{
    var v = document.getElementById("takeValue");
    if (st == 0)
    {
        alert("Stack Overflow");
        v.value = "";
    }
    else
    {
        var b = parseInt(v.value);
        push(b);
        v.value = "";
        v = document.getElementById("showStack");
        v.value = print();
    }
}
function popHandler()
{
    if (st == 10)
    {
        alert("Stack Underflow");
    }
    else
    {

        var v = pop();
        v = document.getElementById("showStack");
        v.value = print();
    }
}
</script>
</div>
```

PACKAGE.JSON

```json
{
  "name": "electrontest",
  "version": "1.0.0",
  "description": "",
  "main": "index.js",
  "scripts": {
    "start":"electron .",
  },
  "author": "",
  "license": "ISC"
}
```

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