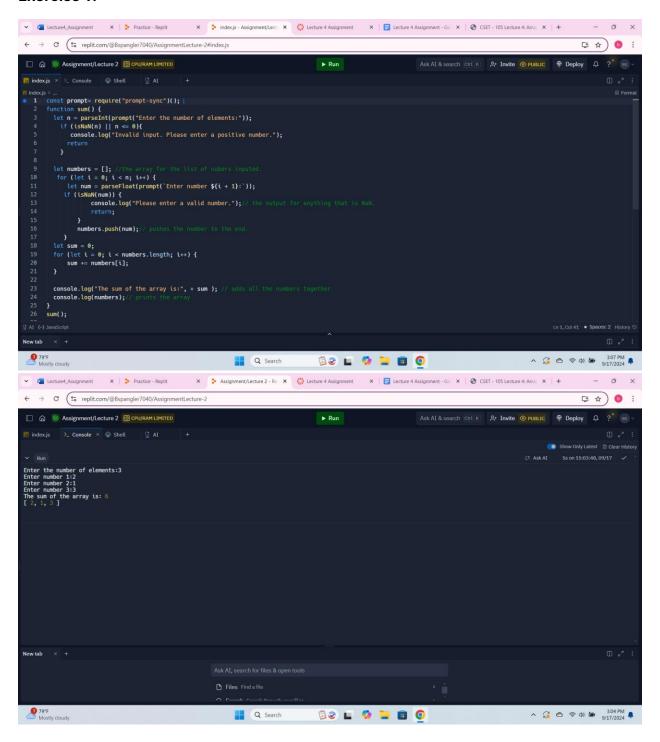
# **Lecture 4 Assignment**

## **Exercise 1:**



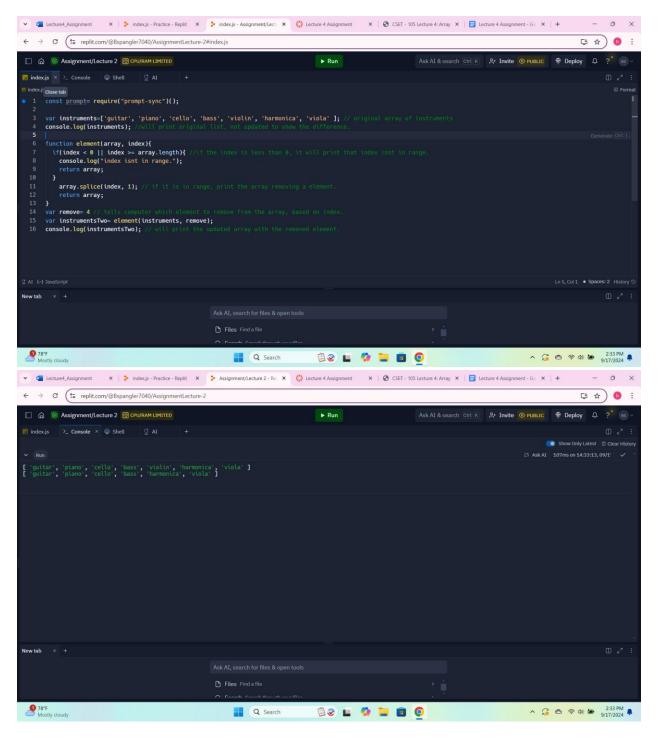
## **Exercise 2:**

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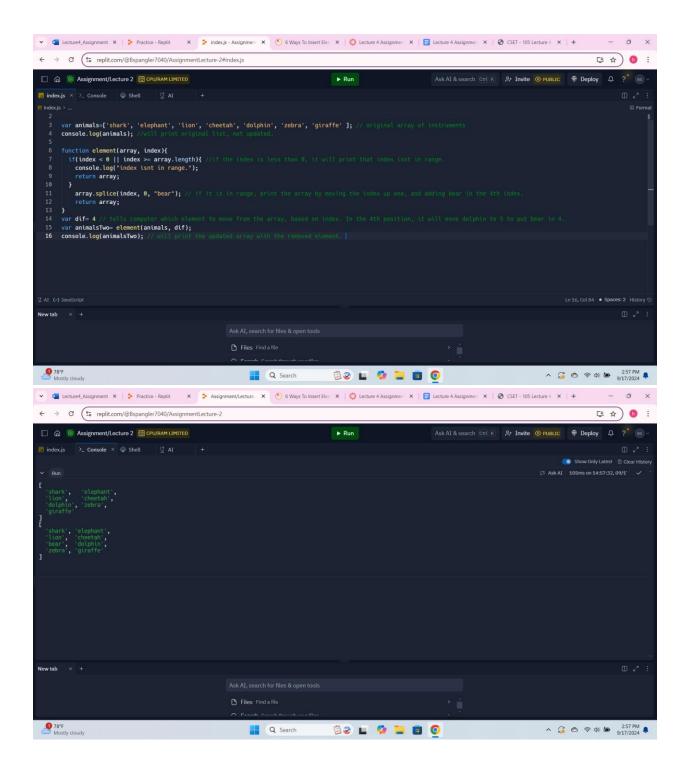
Shell 

AI
• 1 const prompt= require("prompt-sync")();
   3 function nthFibonacci(){
       let fib=[];
        let x = 0, y = 1, z;
fib.push(x,7);
         let number=prompt("Enter a number:"); // asks user for a number, and will output whatever number they want in the sequence.
        Tor(tet a = 2; a < number; a++){
    z = x + y;
    x = y;
    y = z;
    fib.push(z); // pushes last number in the sequence
}</pre>
       console.log(fib)
 15 }
16 nthFibonacci();
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index.js >_ Console × ♥ Shell
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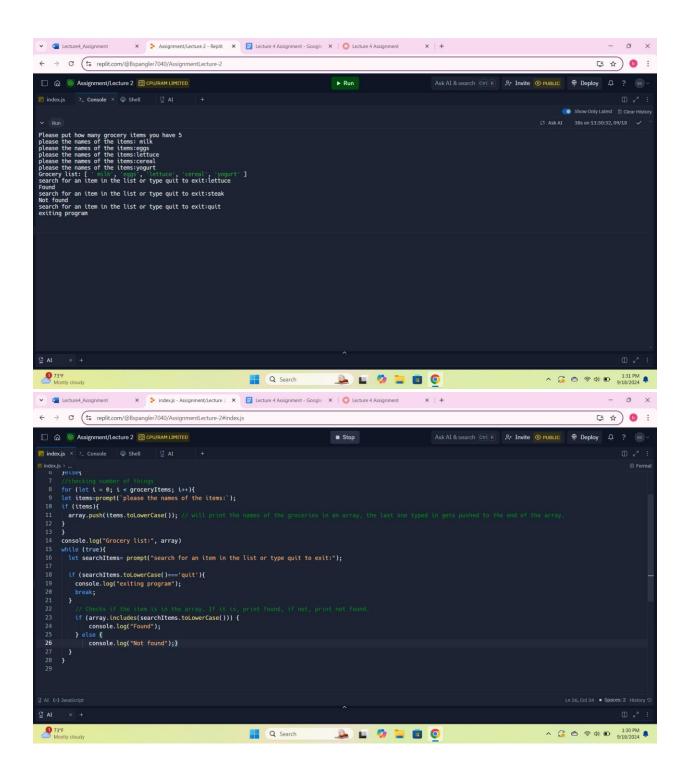
## **Exercise 3:**



## **Exercise 4:**



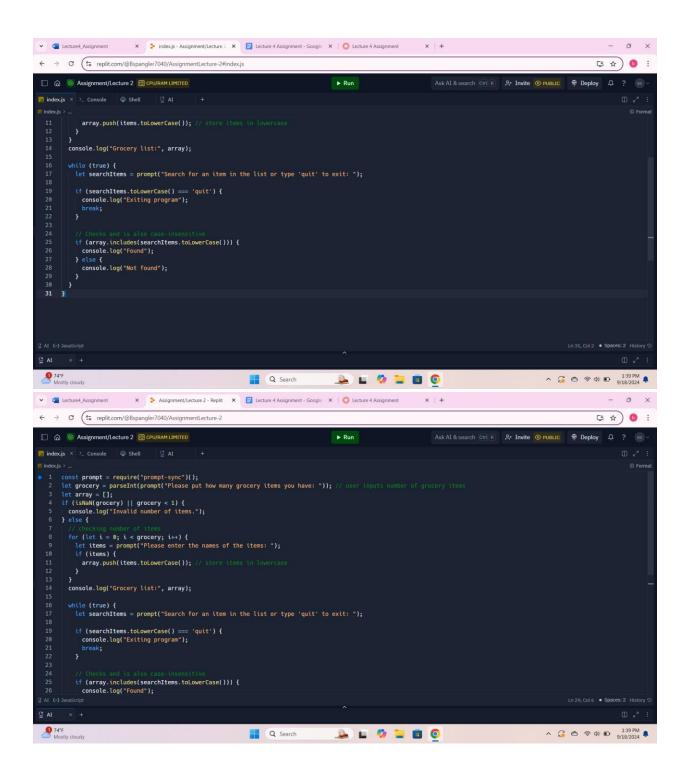
## **Exercise 5:**

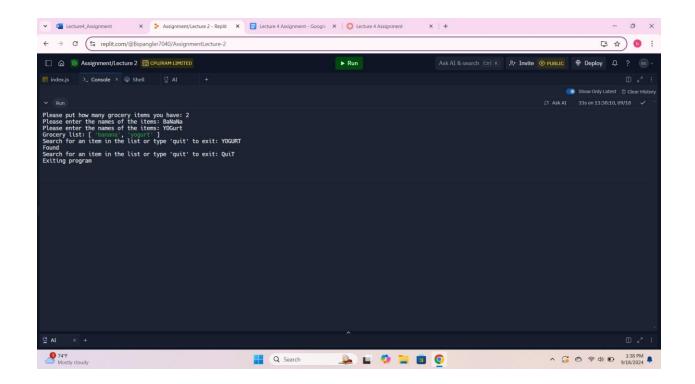


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 ← → C (** replit.com/@Bspangler7040/AssignmentLecture-2#index.js
                                                                                                                                                                                                                                       □☆ (1) :
  ☐ 🝙 🌘 Assignment/Lecture 2 🖶 CPU/RAM LIMITED
  1 const prompt = require("prompt-sync")();
2 let grocery = parseInt(prompt("Please put how many grocery items you have")); // user inputs number of grocery items
3 let array=[];
4 if(isNaN(grocery) || grocery <1){
5 | console.log("Invalid number of items.");
6 }else{</pre>
      // //checking manager of redges
for (let i = 0; i < grocery)tems; i++){
   let items=prompt('please the names of the items:');
   if (items){</pre>
             array.push(items.toLowerCase()); // will print the names of the groceries in an array, the last one typed in gets pushed to the end of the array.
             let searchItems= prompt("search for an item in the list or type quit to exit:");
            if (searchItems.toLowerCase()==='quit'){
  console.log("exiting program");
              // Checks if the item is in the array. If it is, print found, if not, print not found.
if (array.includes(searchItems.toLowerCase())) {
    console.log("Found");
} else {
    console.log("Not found");}

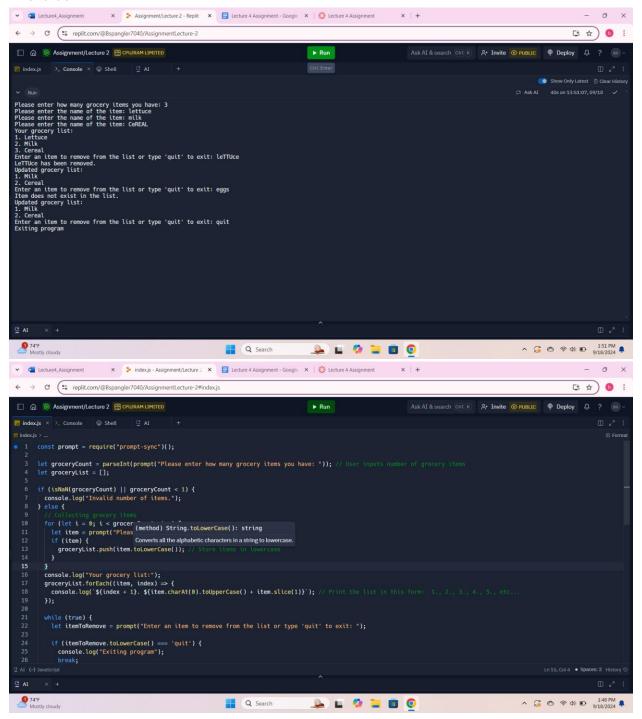
&console.log("Not found");}
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## **Exercise 6:**



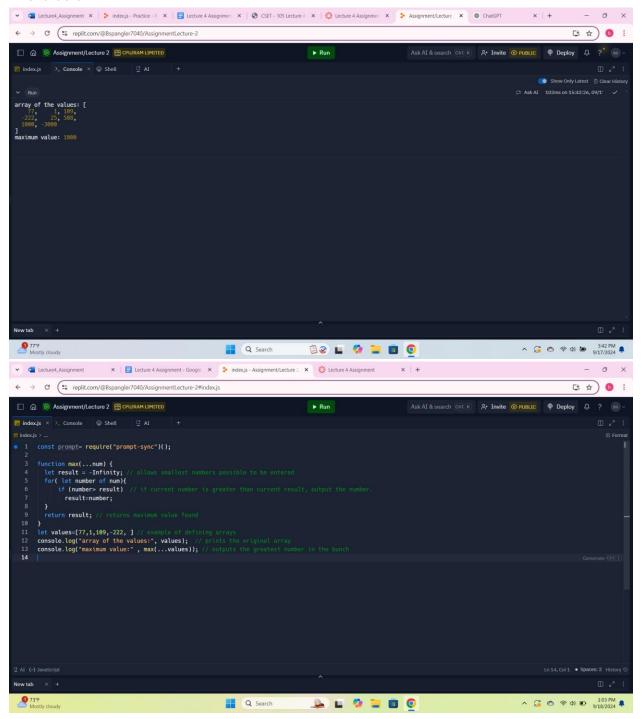


#### Exercise 7:

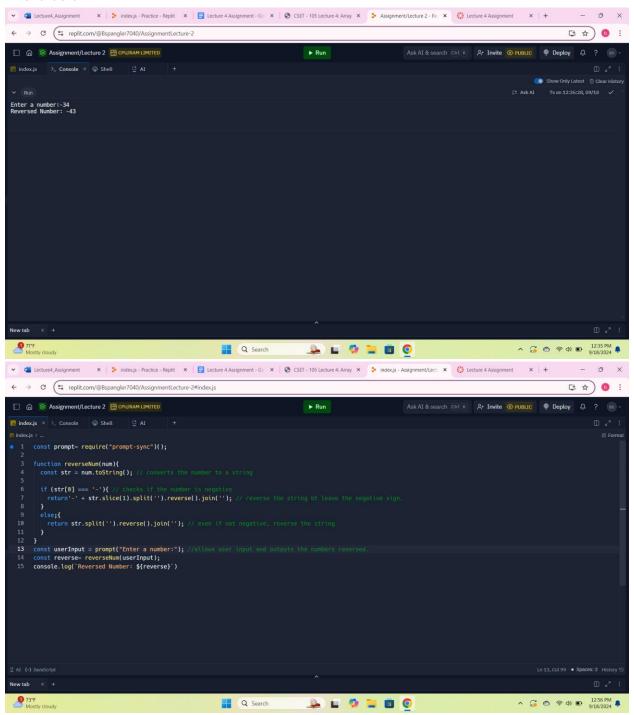


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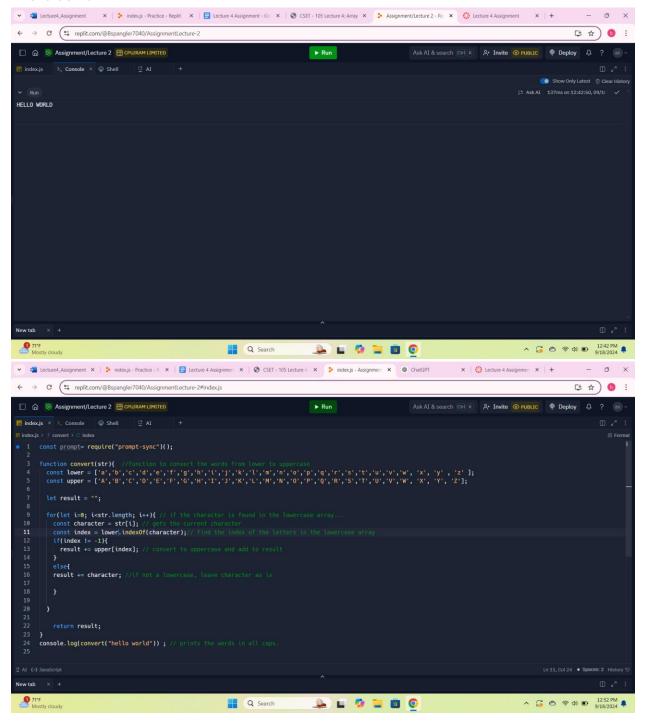
#### **Exercise 8:**



#### Exercise 9:



#### **Exercise 10:**



#### **Exercise 11:**

