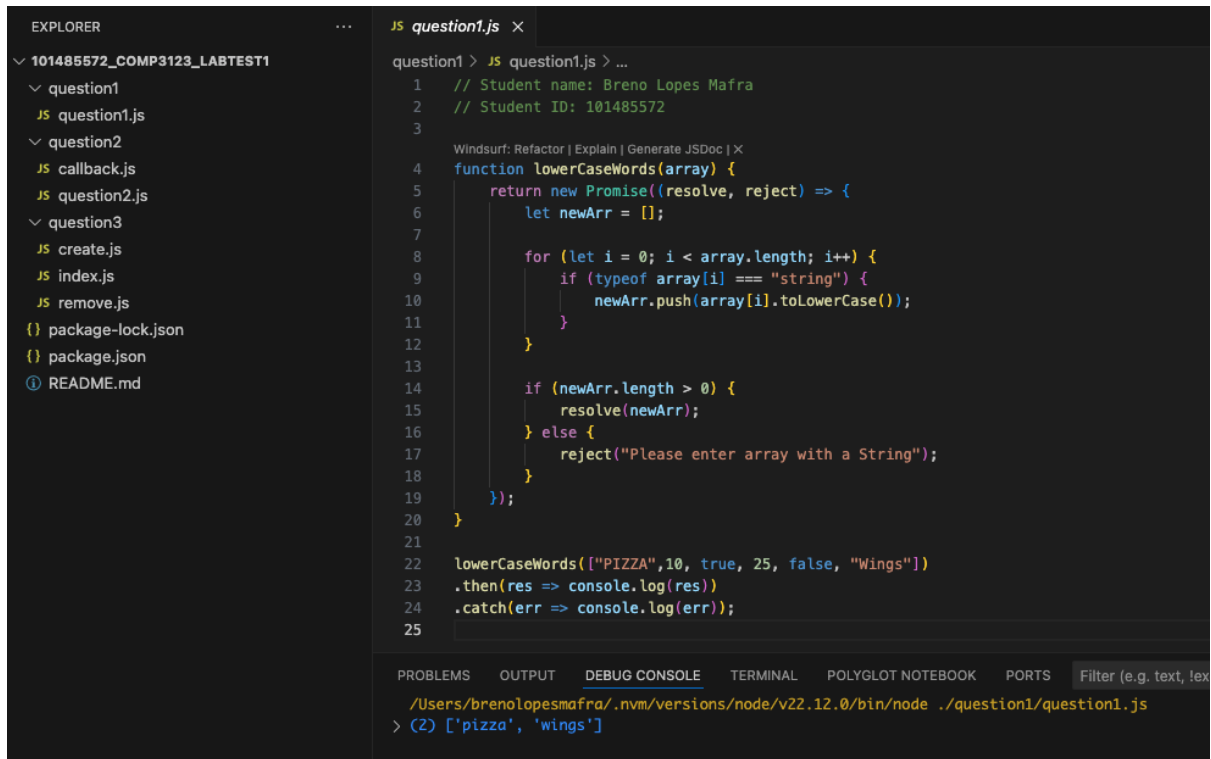


Student Name: Breno Lopes Mafra

Student ID: 101485572

LabTest 1 Screenshots – Comp3123

- Question 1:



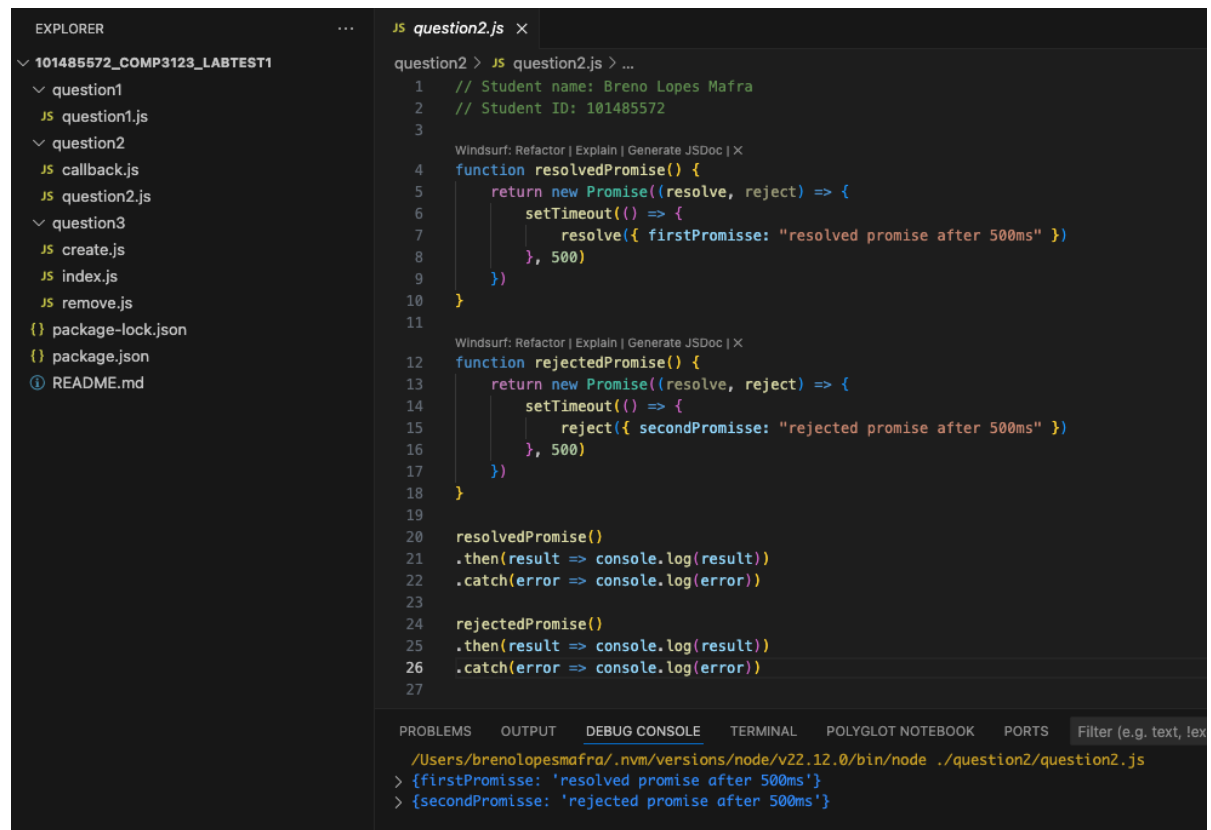
The screenshot shows a VS Code editor with a file explorer on the left and a code editor on the right. The file explorer shows a project named '101485572_COMP3123_LABTEST1' with files for 'question1', 'question2', and 'question3'. The code editor shows the implementation of a function named 'lowerCaseWords' in 'question1.js'. The function takes an array and returns a Promise that resolves to a new array of lowercase words or rejects with an error message. The terminal at the bottom shows the command to run the code and the output: '["pizza", "wings"]'.

```
1 // Student name: Breno Lopes Mafra
2 // Student ID: 101485572
3
4 function lowerCaseWords(array) {
5     return new Promise((resolve, reject) => {
6         let newArr = [];
7
8         for (let i = 0; i < array.length; i++) {
9             if (typeof array[i] === "string") {
10                 newArr.push(array[i].toLowerCase());
11             }
12         }
13
14         if (newArr.length > 0) {
15             resolve(newArr);
16         } else {
17             reject("Please enter array with a String");
18         }
19     });
20 }
21
22 lowerCaseWords(["PIZZA", 10, true, 25, false, "Wings"])
23 .then(res => console.log(res))
24 .catch(err => console.log(err));
25
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL POLYGLOT NOTEBOOK PORTS Filter (e.g. text, lex)

```
/Users/brenolopesmafra/.nvm/versions/node/v22.12.0/bin/node ./question1/question1.js
> (2) ["pizza", "wings"]
```

- Question 2:



The screenshot shows a VS Code editor with a file explorer on the left and a code editor on the right. The file explorer shows a project named '101485572_COMP3123_LABTEST1' with files for 'question1', 'question2', and 'question3'. The code editor shows the implementation of two functions: 'resolvedPromise' and 'rejectedPromise' in 'question2.js'. Both functions return Promises that resolve or reject after a 500ms timeout. The terminal at the bottom shows the command to run the code and the output: '{firstPromise: 'resolved promise after 500ms'}' and '{secondPromise: 'rejected promise after 500ms'}'.

```
1 // Student name: Breno Lopes Mafra
2 // Student ID: 101485572
3
4 function resolvedPromise() {
5     return new Promise((resolve, reject) => {
6         setTimeout(() => {
7             resolve({ firstPromise: "resolved promise after 500ms" });
8         }, 500);
9     });
10 }
11
12 function rejectedPromise() {
13     return new Promise((resolve, reject) => {
14         setTimeout(() => {
15             reject({ secondPromise: "rejected promise after 500ms" });
16         }, 500);
17     });
18 }
19
20 resolvedPromise()
21 .then(result => console.log(result))
22 .catch(error => console.log(error))
23
24 rejectedPromise()
25 .then(result => console.log(result))
26 .catch(error => console.log(error))
27
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL POLYGLOT NOTEBOOK PORTS Filter (e.g. text, lex)

```
/Users/brenolopesmafra/.nvm/versions/node/v22.12.0/bin/node ./question2/question2.js
> {firstPromise: 'resolved promise after 500ms'}
> {secondPromise: 'rejected promise after 500ms'}
```

- **Question 3:**

[illegible]