

COMP3123 LAB TEST 1 SCREENSHOTS

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Question-1

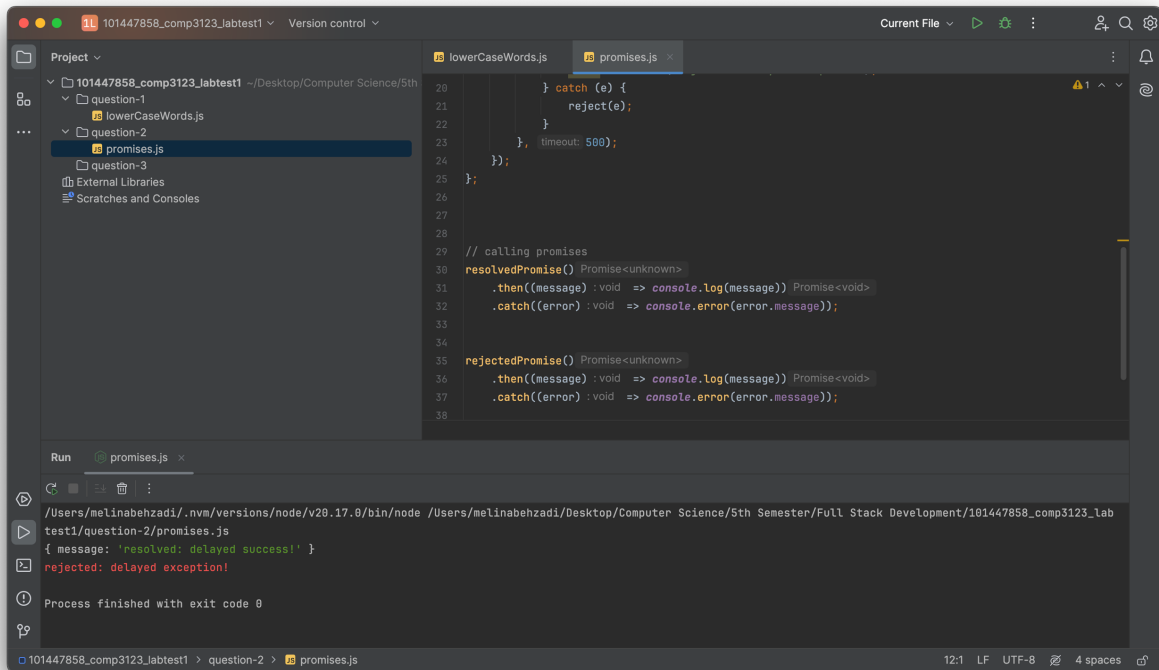
```
1+ usages
1 function lowerCaseWords(array) : Promise<unknown> {
2   return new Promise( executor: (resolve, reject) : void => {
3     if (Array.isArray(array)) {
4       const filteredWords = array
5         .filter(item => typeof item === 'string')
6         .map(word => word.toLowerCase());
7       resolve(filteredWords);
8     } else {
9       reject(new Error("Input is not an array"));
10    }
11  });
12 }
13
14 // example
15 const mixedArray : (string | number | boolean | number | boolean | string)[] = ['PIZZA', 10, true, 25, false, 'Wings'];
16 lowerCaseWords(mixedArray) : Promise<unknown>
17   .then(result => console.log(result)) : Promise<void>
18   .catch(error => console.log(error.message));
lowerCaseWords() : callback for Promise()
```

Run lowerCaseWords.js

```
/Users/melinabehzadi/.nvm/versions/node/v20.17.0/bin/node /Users/melinabehzadi/Desktop/Computer Science/5th Semester/Full Stack Development/101447858_comp3123_lab
test1/question-1/lowerCaseWords.js
[ 'pizza', 'wings' ]
Process finished with exit code 0
```

101447858_comp3123_labtest1 > question-1 > lowerCaseWords.js 10:10 LF UTF-8 4 spaces

Question-2

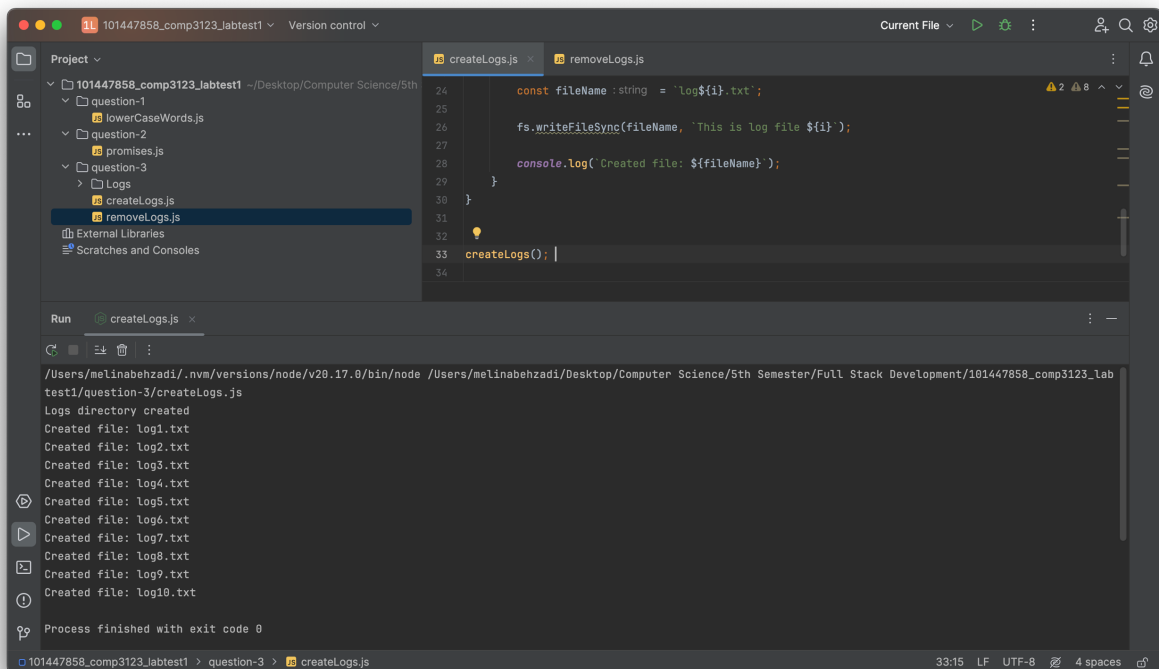


```
Project
├── 101447858_comp3123_labtest1
│   ├── question-1
│   │   └── lowerCaseWords.js
│   ├── question-2
│   │   └── promises.js
│   └── question-3
├── External Libraries
└── Scratches and Consoles
```

```
20     } catch (e) {
21       reject(e);
22     }
23   }, timeout: 500);
24 });
25 };
26
27
28
29 // calling promises
30 resolvedPromise() Promise<unknown>
31   .then((message) : void => console.log(message)) Promise<void>
32   .catch((error) : void => console.error(error.message));
33
34
35 rejectedPromise() Promise<unknown>
36   .then((message) : void => console.log(message)) Promise<void>
37   .catch((error) : void => console.error(error.message));
38
```

```
Run promises.js
/Users/melinabehzadi/.nvm/versions/node/v20.17.0/bin/node /Users/melinabehzadi/Desktop/Computer Science/5th Semester/Full Stack Development/101447858_comp3123_labtest1/question-2/promises.js
{ message: 'resolved: delayed success!' }
rejected: delayed exception!
Process finished with exit code 0
```

Question-3 : createLogs



```
Project
├── 101447858_comp3123_labtest1
│   ├── question-1
│   │   └── lowerCaseWords.js
│   ├── question-2
│   │   └── promises.js
│   └── question-3
│       ├── Logs
│       │   ├── createLogs.js
│       │   └── removeLogs.js
│       └── External Libraries
│       └── Scratches and Consoles
```

```
24 const fileName :string = `log${i}.txt`;
25
26 fs.writeFileSync(fileName, `This is log file ${i} `);
27
28 console.log( `Created file: ${fileName} `);
29 }
30 }
31
32
33 createLogs();
34
```

```
Run createLogs.js
/Users/melinabehzadi/.nvm/versions/node/v20.17.0/bin/node /Users/melinabehzadi/Desktop/Computer Science/5th Semester/Full Stack Development/101447858_comp3123_labtest1/question-3/createLogs.js
Logs directory created
Created file: log1.txt
Created file: log2.txt
Created file: log3.txt
Created file: log4.txt
Created file: log5.txt
Created file: log6.txt
Created file: log7.txt
Created file: log8.txt
Created file: log9.txt
Created file: log10.txt
Process finished with exit code 0
```

Question-3 : deleteLogs

The screenshot shows a code editor with a project named '101447858_comp3123_labtest1'. The file explorer on the left shows a directory structure with 'question-3' containing 'createLogs.js' and 'removeLogs.js'. The 'removeLogs.js' file is open in the editor, showing the following code:

```
21 fs.rmdirSync(logsDir);
22 console.log('Logs directory removed');
23
24 } else {
25     console.log('No Logs directory found.');
```

The terminal output shows the execution of the 'removeLogs.js' script, which successfully deleted log files log1.txt through log9.txt and the logs directory.

```
Run removeLogs.js
/Users/melinabehzadi/.nvm/versions/node/v20.17.0/bin/node /Users/melinabehzadi/Desktop/Computer Science/5th Semester/Full Stack Development/101447858_comp3123_labtest1/question-3/removeLogs.js
Deleted file: log1.txt
Deleted file: log10.txt
Deleted file: log2.txt
Deleted file: log3.txt
Deleted file: log4.txt
Deleted file: log5.txt
Deleted file: log6.txt
Deleted file: log7.txt
Deleted file: log8.txt
Deleted file: log9.txt
Logs directory removed
Process finished with exit code 0
```