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Section 1

220100309

Task2

Code

```javascript
class SpyAgency {
  constructor() {
    this.documents = [];
  }

  verifyContents(originalDoc) {
    if (typeof originalDoc === 'string') {
      if (originalDoc.match(/^The bearer of this signed document, .*, has
full diplomatic immunity.$/)) {
        console.log("Document is valid");
        return true;
      } else {
        console.error("Document does not match the expected format.");
        return false;
      }
    } else {
      console.error("The document is not a valid string:", originalDoc);
      return false;
    }
  }

  signDocument(originalDoc) {
    if (this.verifyContents(originalDoc)) {
      this.documents.push(originalDoc);
      console.log("Document signed successfully.");
    } else {
      console.log("Failed to sign the document.");
    }
  }
}

const agency = new SpyAgency();
const document = "The bearer of this signed document, Lt. Blue, has full
diplomatic immunity.";

agency.signDocument(document);
```
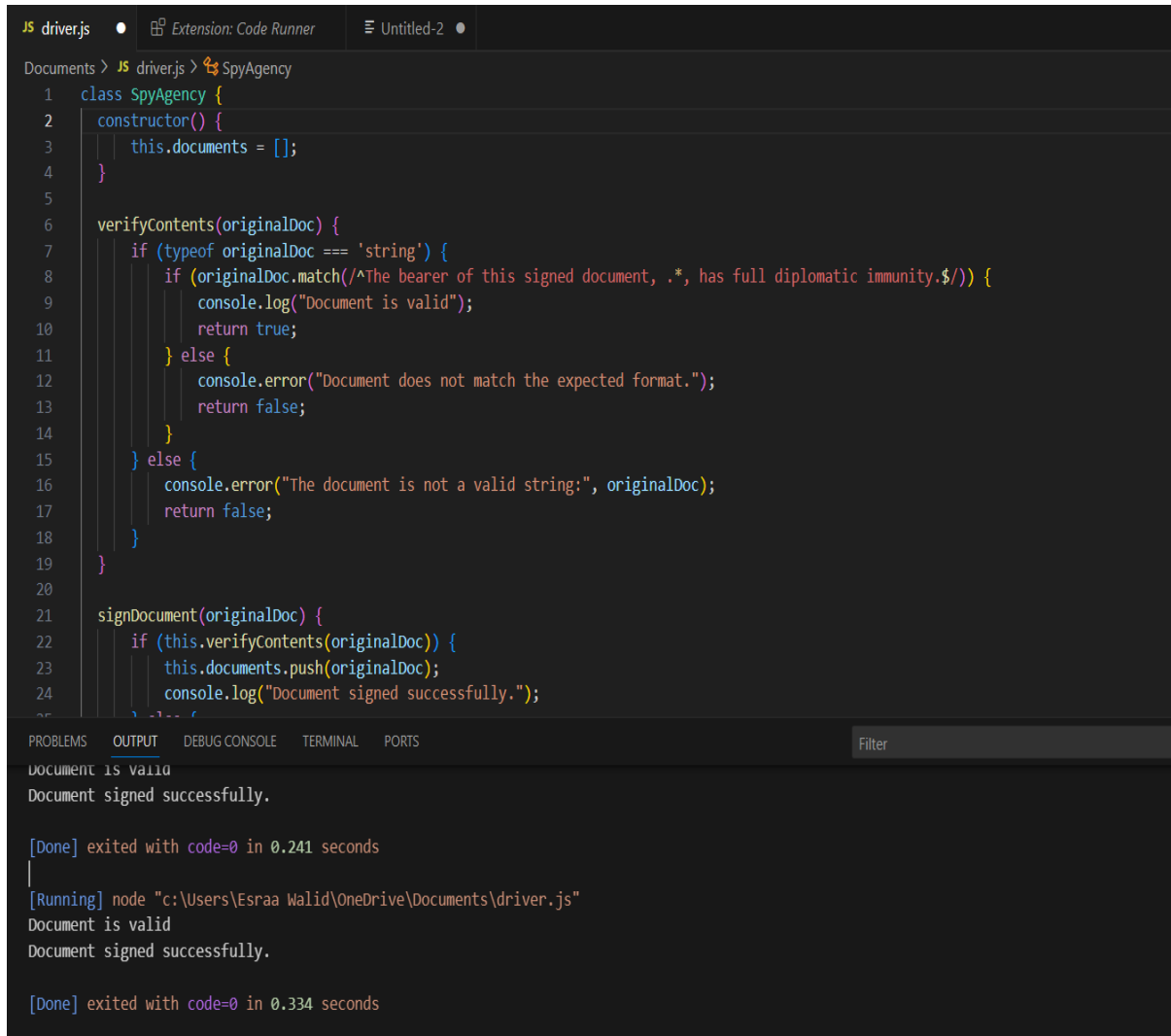
Screenshot

```
JS driver.js  ●      Extension: Code Runner       Untitled-2  ●

Documents > JS driver.js > SpyAgency
  1   class SpyAgency {
  2     constructor() {
  3       this.documents = [];
  4     }
  5
  6     verifyContents(originalDoc) {
  7         if (typeof originalDoc === 'string') {
  8             if (originalDoc.match(/^The bearer of this signed document, .*, has full diplomatic immunity.$/)) {
  9                 console.log("Document is valid");
 10                 return true;
 11             } else {
 12                 console.error("Document does not match the expected format.");
 13                 return false;
 14             }
 15         } else {
 16             console.error("The document is not a valid string:", originalDoc);
 17             return false;
 18         }
 19     }
 20
 21     signDocument(originalDoc) {
 22         if (this.verifyContents(originalDoc)) {
 23             this.documents.push(originalDoc);
 24             console.log("Document signed successfully.");
```

```
PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL   PORTS                           Filter

Document is valid
Document signed successfully.

[Done] exited with code=0 in 0.241 seconds

[Running] node "c:\Users\Esraa Walid\OneDrive\Documents\driver.js"
Document is valid
Document signed successfully.

[Done] exited with code=0 in 0.334 seconds
```