User Manual

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1   Introduction

This compiler takes in simple Pascal and compiles it into MIPS assembly. The compiler is called `vo-compiler.jar`. In order to use this compiler you must have Java installed.

2   Running the program

In order to run the program run the following line of code from the directory where `vo-compiler.jar` is located.

```
java -jar vo-compiler.jar inputfilename.pas outputfilename.pas
```

3   Outputs

After you run the program, an assembly file will be generated into the current directory.

4   Errors

If you see any errors while trying to run the program, find the type of error you encountered in the list below and troubleshooting with the recommendation listed under the corresponding error.

4.1   `Error - Could not read file.`
This means that the file format is not correct. Make sure you have a `.pas` file.

4.2   `Error - Illegal token found.`
This means that you have a syntax error in your pascal file. The token listed is not valid. Review the grammar attached in the software design document on page 12 - page 14.

4.3   `Error - ` *Lexeme* ` does not exist.`
This means that you are trying to use a variable that has not been declared. Either declare that variable or don't use it.

4.4   `Error - ` *Lexeme* ` already exists.`
This means you have already declared that variable. Either create a different variable to use or don't try to declare it again.