

# CS536-P6-README

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## Files

In this project, we built the code generator, and wrote an input test case and corresponding correct answer. The main files are

- *P6.java*: The driver program to scan, parse, name analyze, type check, and code generate for input source code
- *ast.java*: The file where code generate function lies
- *test.wumbo*: The input
- *test.s*: The output
- *test.assembly.ans*: The correct assembly output
- *test.console.ans*: The correct console output

## Testing

To test our file, first navigate to the project folder, and then execute the following command

```
> clear; make; make test; ~cs536-1/public/tools/bin/spim -file test.s;
```

Then follow the instruction, type in 101 and press enter, and the test will end.

To check correctness:

The content in *test.s* should be the same as *test.assembly.ans*

The content in console should be the same as *test.console.ans*