

Compiling the compiler-Milestone1

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1 Installing the required files:

Implementation of Lexer and Parser is in Flex and Bison. For the AST generation, DOT is used. So install the following if not previously installed-(in Ubuntu)

```
sudo apt-get update
sudo apt-get install flex
sudo apt-get install bison
sudo apt-get install graphviz
```

2 Instructions for execution:

The command line options include-

- 1)-i or -input : give the file name from which input is to be read
- 2)-o or -output : File name to which compiler outputs the DOT file
- 3)-v or -verbose : Prints the derivation (parse tree) on the command line
- h or -help : Manual page

Above commands are all optional, By default, input is read from testcase.py and the output dot file is ast.dot. After the dot file is created the AST is generated in ASTfile.pdf.

For compilation-

```
$make
$./prob -i testcase.py -o ast.dot -v
$dot -Tpdf ast.dot -o ASTfile.pdf
```