

CD LAB 2

NAME: Janvii RV

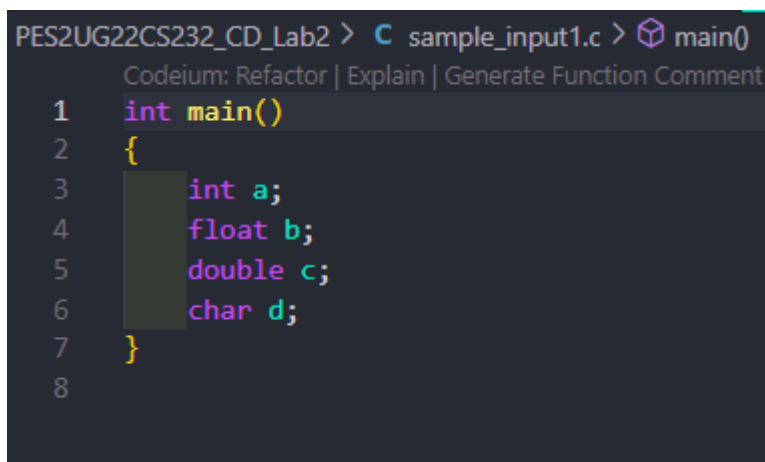
SRN: PES2UG22CS232

DATE: 17/02/2025

To run the codes, please use the run.sh file.

./run.sh

Input:

A screenshot of a code editor window. The title bar shows 'PES2UG22CS232_CD_Lab2 > C sample_input1.c > main()'. Below the title bar, there are links: 'Codeium: Refactor | Explain | Generate Function Comment'. The code is as follows:

```
1  int main()
2  {
3      int a;
4      float b;
5      double c;
6      char d;
7  }
8
```

Output Screenshot:

ViewGoRunTerminalHelp←→LAB2

sym_tab.hrun.shoutput1.txt Xparser.y

PES2UG22CS232_CD_Lab2 > output1.txt

```
1 | valid syntax
2 | Name      size  type  lineno  scope  value
3 | a          2     2     3        1     ~
4 | b          4     3     4        1     ~
5 | c          8     4     5        1     ~
6 | d          1     1     6        1     ~
7 |
```

OUTPUTDEBUG CONSOLETERMINALPORTSPOSTMAN CONSOLESPELL CHECKER 43SQL CONSOLEPROBLEMS 43COMMENTS

```
Linking failed
jarvis@LAPTOP-E2CQGAPK:/mnt/d/Sem-6/CD/LAB2/PES2UG22CS232_CD_Lab2$ sudo apt install libfl-dev
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
libfl-dev is already the newest version (2.6.4-8.2build1).
libfl-dev set to manually installed.
0 upgraded, 0 newly installed, 0 to remove and 91 not upgraded.
jarvis@LAPTOP-E2CQGAPK:/mnt/d/Sem-6/CD/LAB2/PES2UG22CS232_CD_Lab2$ chmod +x run.sh
jarvis@LAPTOP-E2CQGAPK:/mnt/d/Sem-6/CD/LAB2/PES2UG22CS232_CD_Lab2$ ./run.sh
Running Flex...
Running Bison...
parser.y: warning: 1 nonterminal useless in grammar [-Wother]
parser.y: warning: 2 rules useless in grammar [-Wother]
parser.y:151.1-4: warning: nonterminal useless in grammar: COND [-Wother]
151 | COND : EXPR
    | ~~~~~
Compiling with GCC...
Linking...
Cleaning up object files...
Running Parser on sample_input1.c...
Execution completed. Check output1.txt.
jarvis@LAPTOP-E2CQGAPK:/mnt/d/Sem-6/CD/LAB2/PES2UG22CS232_CD_Lab2$
```