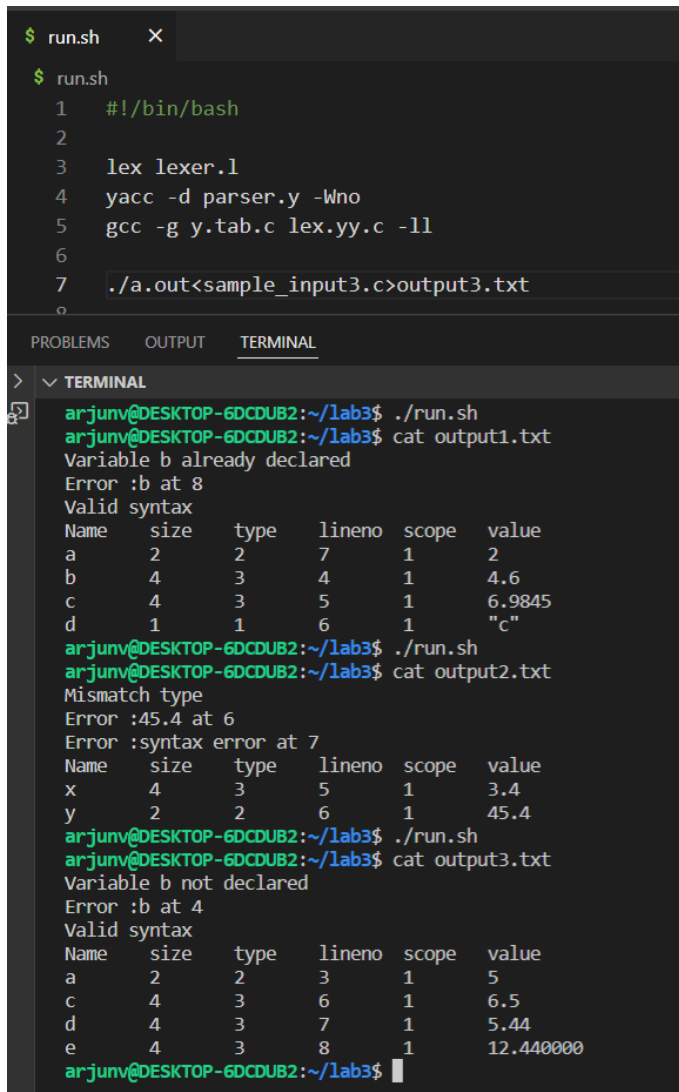


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SRN: PES2UG19CS451
Subject: Compiler Design

Semester: 6
Section: G

Lab-3: Expression evaluation

Output Screenshots:



```
$ run.sh
$ run.sh
1  #!/bin/bash
2
3  lex lexer.l
4  yacc -d parser.y -Wno
5  gcc -g y.tab.c lex.yy.c -ll
6
7  ./a.out<sample_input3.c>output3.txt
8

PROBLEMS  OUTPUT  TERMINAL
>  ▼ TERMINAL
arjunv@DESKTOP-6DCDUB2:~/lab3$ ./run.sh
arjunv@DESKTOP-6DCDUB2:~/lab3$ cat output1.txt
Variable b already declared
Error :b at 8
Valid syntax
Name  size  type  lineno  scope  value
a     2    2    7       1      2
b     4    3    4       1     4.6
c     4    3    5       1     6.9845
d     1    1    6       1     "c"
arjunv@DESKTOP-6DCDUB2:~/lab3$ ./run.sh
arjunv@DESKTOP-6DCDUB2:~/lab3$ cat output2.txt
Mismatch type
Error :45.4 at 6
Error :syntax error at 7
Name  size  type  lineno  scope  value
x     4    3    5       1     3.4
y     2    2    6       1    45.4
arjunv@DESKTOP-6DCDUB2:~/lab3$ ./run.sh
arjunv@DESKTOP-6DCDUB2:~/lab3$ cat output3.txt
Variable b not declared
Error :b at 4
Valid syntax
Name  size  type  lineno  scope  value
a     2    2    3       1     5
c     4    3    6       1     6.5
d     4    3    7       1     5.44
e     4    3    8       1    12.440000
arjunv@DESKTOP-6DCDUB2:~/lab3$
```

Run.sh:

```
$ run.sh  X
$ run.sh
1  #!/bin/bash
2
3  lex lexer.l
4  yacc -d parser.y -Wno
5  gcc -g y.tab.c lex.yy.c -ll
6
7  ./a.out<sample_input3.c>output1.txt
8
9
```