

Compiler Design Lab 1 and Lab 2

Screenshots

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Section: F

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Lab1:

```
vishwa@Acer-Vishwa: /mnt/c/L X vishwa@Acer-Vishwa: /mnt/c/L X vishwa@Acer-Vishwa: /mnt/c/L X vishwa@Acer-Vishwa: /mnt/c/L X + v - X
vishwa@Acer-Vishwa:/mnt/c/Users/Vishwa/Documents/Vishwa_PES/Sem6$ ls
335_BC 352_OOAD PES2UG20CS389_Vishwa_Mehul_Mehta.y a.out y.tab.h
343_DBT 353_CD PES2UG20CS389_Vishwa_Mehul_Mehta_lab2.1 lex.yy.c
351_CC PES2UG20CS389_Vishwa_Mehul_Mehta.1 PES2UG20CS389_Vishwa_Mehul_Mehta_lab2.y y.tab.c
vishwa@Acer-Vishwa:/mnt/c/Users/Vishwa/Documents/Vishwa_PES/Sem6$ vim valid_test.c
vishwa@Acer-Vishwa:/mnt/c/Users/Vishwa/Documents/Vishwa_PES/Sem6$ mv valid_test.c valid_test_lab1.c
vishwa@Acer-Vishwa:/mnt/c/Users/Vishwa/Documents/Vishwa_PES/Sem6$ bison -dy PES2UG20CS389_Vishwa_Mehul_Mehta.y
PES2UG20CS389_Vishwa_Mehul_Mehta.y: warning: 219 shift/reduce conflicts [-Wconflicts-sr]
vishwa@Acer-Vishwa:/mnt/c/Users/Vishwa/Documents/Vishwa_PES/Sem6$ flex PES2UG20CS389_Vishwa_Mehul_Mehta.1
vishwa@Acer-Vishwa:/mnt/c/Users/Vishwa/Documents/Vishwa_PES/Sem6$ gcc y.tab.c lex.yy.c -ll
vishwa@Acer-Vishwa:/mnt/c/Users/Vishwa/Documents/Vishwa_PES/Sem6$ ./a.out < valid_test_lab1.c

Valid syntax
vishwa@Acer-Vishwa:/mnt/c/Users/Vishwa/Documents/Vishwa_PES/Sem6$ vim invalid_test_lab1.c
vishwa@Acer-Vishwa:/mnt/c/Users/Vishwa/Documents/Vishwa_PES/Sem6$ ./a.out < invalid_test_lab1.c
Error: syntax error, line number: 6, token: 1
Error: syntax error, line number: 7, token:
vishwa@Acer-Vishwa:/mnt/c/Users/Vishwa/Documents/Vishwa_PES/Sem6$
```

Lab2:

```
vishwa@Acer-Vishwa: /n X vishwa@Acer-Vishwa: /n X vishwa@Acer-Vishwa: /n X Command Prompt X vishwa@Acer-Vishwa: /n X + v - X
vishwa@Acer-Vishwa:/mnt/c/Users/Vishwa/Documents/Vishwa_PES/Sem6$ bison -dy PES2UG20CS389_Vishwa_Mehul_Mehta_1
ab2.y
vishwa@Acer-Vishwa:/mnt/c/Users/Vishwa/Documents/Vishwa_PES/Sem6$ flex PES2UG20CS389_Vishwa_Mehul_Mehta_lab2.1
vishwa@Acer-Vishwa:/mnt/c/Users/Vishwa/Documents/Vishwa_PES/Sem6$ gcc y.tab.c lex.yy.c
vishwa@Acer-Vishwa:/mnt/c/Users/Vishwa/Documents/Vishwa_PES/Sem6$ ./a.out

Enter the Expression:
10+20

Result=30

Entered arithmetic expression is Valid

vishwa@Acer-Vishwa:/mnt/c/Users/Vishwa/Documents/Vishwa_PES/Sem6$ ./a.out

Enter the Expression:
10+=20

Entered arithmetic expression is Invalid

vishwa@Acer-Vishwa:/mnt/c/Users/Vishwa/Documents/Vishwa_PES/Sem6$
```

