

Compiler Design – UE20CS353

Assignment-1

Name: Vishwa Mehul Mehta

SRN: PES2UG20CS389

Sec: F

Date: 05-03-2023

Valid Test Cases:

```
vishwa@Acer-Vishwa: /mnt/c/ X + v
vishwa@Acer-Vishwa:/mnt/c/Users/Vishwa/Documents/Vishwa_PES/Sem6/353_CD/HandsOn/Assignment-1$ ./a.out < assign
ment-1_nested do while valid.c
Error: syntax error, Line number: 5, Token: =
Error: syntax error, Line number: 7, Token: 8
Declarations are valid.
Parsing Successful
vishwa@Acer-Vishwa:/mnt/c/Users/Vishwa/Documents/Vishwa_PES/Sem6/353_CD/HandsOn/Assignment-1$ ./a.out < assign
ment-1_nested_for valid.c
Error: syntax error, Line number: 5, Token: =
Error: syntax error, Line number: 8, Token: ++
Error: syntax error, Line number: 9, Token: ++
Error: syntax error, Line number: 11, Token: ++
Error: syntax error, Line number: 16, Token: }
Unsuccessful
vishwa@Acer-Vishwa:/mnt/c/Users/Vishwa/Documents/Vishwa_PES/Sem6/353_CD/HandsOn/Assignment-1$ ./a.out < assign
ment-1_simple do while valid.c
Error: syntax error, Line number: 5, Token: =
Error: syntax error, Line number: 7, Token: 8
Declarations are valid.
Parsing Successful
vishwa@Acer-Vishwa:/mnt/c/Users/Vishwa/Documents/Vishwa_PES/Sem6/353_CD/HandsOn/Assignment-1$ ./a.out < assign
ment-1_simple for valid.c
Error: syntax error, Line number: 5, Token: =
Error: syntax error, Line number: 8, Token: ++
Error: syntax error, Line number: 9, Token: ++
Error: syntax error, Line number: 13, Token: }
Unsuccessful
vishwa@Acer-Vishwa:/mnt/c/Users/Vishwa/Documents/Vishwa_PES/Sem6/353_CD/HandsOn/Assignment-1$
```

Invalid Test Cases:

```
vishwa@Acer-Vishwa: /mnt/c/ X + v
vishwa@Acer-Vishwa:/mnt/c/Users/Vishwa/Documents/Vishwa_PES/Sem6/353_CD/HandsOn/Assignment-1$ ./a.out < assign
-1_test-1_invalid.c
Error: syntax error, Line number: 10, Token: if
Error: syntax error, Line number: 15, Token: else
Error: syntax error, Line number: 19, Token: }
Error: syntax error, Line number: 24, Token: }
Error: syntax error, Line number: 27, Token: while
Error: syntax error, Line number: 38, Token: }
Unsuccessful
vishwa@Acer-Vishwa:/mnt/c/Users/Vishwa/Documents/Vishwa_PES/Sem6/353_CD/HandsOn/Assignment-1$ ./a.out < assign
-1_test-2_invalid.c
Error: syntax error, Line number: 9, Token: -
Error: syntax error, Line number: 10, Token: 1
Error: syntax error, Line number: 11, Token: double
Error: syntax error, Line number: 12, Token: =
Error: syntax error, Line number: 14, Token: :
Error: syntax error, Line number: 15, Token: :
Error: syntax error, Line number: 17, Token: a
Error: syntax error, Line number: 21, Token: if
Error: syntax error, Line number: 28, Token: *
Error: syntax error, Line number: 29, Token: }
Error: syntax error, Line number: 41, Token: }
Unsuccessful
```