CD Assignment1 Output screenshots – valid and invalid .c files taken from Preet ma'ams drive link.

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```
C:\Users\HP World\OneDrive\Desktop\Assign1>ans.exe < assign-1_test-1_invalid.c
Starting syntax analysis...

Error at line 9, column 4: syntax error
Near token: 'if'

C:\Users\HP World\OneDrive\Desktop\Assign1>
```

```
C:\Users\HP World\OneDrive\Desktop\Assign1>ans.exe < assign-1_test-2_invalid.c
Starting syntax analysis...

Error at line 8, column 7: syntax error
Near token: '-'

C:\Users\HP World\OneDrive\Desktop\Assign1>
```

```
C:\Users\HP World\OneDrive\Desktop\Assign1>ans.exe < assignment-1_nested_do_while_valid.c
Starting syntax analysis...

=== Symbol Table ===
Name            Type        Scope   Init    Value       Declared        Used Lines
-----------------------------------------------------------------------------------
a               int         1       yes     11          5               [6,9,13,13,15,17]
b               int         1       yes     6           5               [13,15]
k               int         1       yes     56211       12              []
-----------------------------------------------------------------------------------

Syntax is Valid!

C:\Users\HP World\OneDrive\Desktop\Assign1>
```

```
C:\Users\HP World\OneDrive\Desktop\Assign1>ans.exe < assignment-1_nested_for_valid.c
Starting syntax analysis...

=== Symbol Table ===
Name            Type        Scope   Init    Value           Declared        Used Lines
--------------------------------------------------------------------------------
a               int         1       yes     9               4               [6,7,12]
b               int         1       yes     109             4               [7,12,13,13]
c               char[]      1       no      array[5]        5               []
i               int         1       yes     0               8               [8,8]
j               int         1       yes     10              10              [10,10]
k               int         1       yes     18              12              []
--------------------------------------------------------------------------------

Syntax is Valid!

C:\Users\HP World\OneDrive\Desktop\Assign1>
```

The above screenshot is after fixing the undeclared i and j loop control variables.

```
C:\Users\HP World\OneDrive\Desktop\Assign1>ans.exe < assignment-1_simple_do_while_valid.c
Starting syntax analysis...

=== Symbol Table ===
Name            Type        Scope   Init    Value           Declared        Used Lines
--------------------------------------------------------------------------------
a               int         1       yes     5               5               [8,9,9]
b               int         1       yes     6               5               []
x               int[]       1       no      array[24]       6               []
arr             int[]       1       yes     array[5]        7               []
--------------------------------------------------------------------------------

Syntax is Valid!

C:\Users\HP World\OneDrive\Desktop\Assign1>
```

```
C:\Users\HP World\OneDrive\Desktop\Assign1>ans.exe < assignment-1_simple_for_valid.c
Starting syntax analysis...

=== Symbol Table ===
Name            Type        Scope   Init    Value           Declared        Used Lines
--------------------------------------------------------------------------------
a               int         1       yes     9               5               [7,8]
b               int         1       yes     9               5               [8]
c               char[]      1       no      array[5]        6               [11]
i               int         1       yes     0               9               [9,9,11,11]
--------------------------------------------------------------------------------

Syntax is Valid!

C:\Users\HP World\OneDrive\Desktop\Assign1>
```

The above screenshot is after fixing the undeclared i and j loop control variables.