

Command Prompt - a

```
A returnA 0;
```

```
mobile.l.txt:13:10: error: stray '\240' in program
A returnA 0;
```

```
C:\Users\pooja>set path=C:\Program Files (x86)\GnuWin32\bin
```

```
C:\Users\pooja>flex mobile.l.txt
```

```
C:\Users\pooja>set path=C:\MinGW\bin
```

```
C:\Users\pooja>gcc lex.yy.c
```

```
C:\Users\pooja>a
```

```
enter the mobile number:1234567890
```

```
mobile number invalid
```

```
9876543210
```

```
mobile number valid
```

Command Prompt - a

```
Microsoft Windows [Version 10.0.26100.4652]
(c) Microsoft Corporation. All rights reserved.
```

```
C:\Users\pooja>set path=:\Program Files (x86)\GnuWin32\bin
```

```
C:\Users\pooja>flex identifier.l.txt
```

```
'flex' is not recognized as an internal or external command,
operable program or batch file.
```

```
C:\Users\pooja>C:\Program Files (x86)\GnuWin32\bin
```

```
'C:\Program' is not recognized as an internal or external command,
operable program or batch file.
```

```
C:\Users\pooja>set path=C:\Program Files (x86)\GnuWin32\bin
```

```
C:\Users\pooja>flex identifier.l.txt
```

```
C:\Users\pooja>set path=C:\MinGW\bin
```

```
C:\Users\pooja>gcc lex.yy.c
```

```
C:\Users\pooja>a
```

```
gdgxi
```

```
gdgxi is IDENTIFIER
```

Microsoft Windows [Version 10.0.26100.4652]
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C:\Users\pooja>set path=C:\Program Files (x86)\GnuWin32\bin

C:\Users\pooja>flex email.l.txt

C:\Users\pooja>set path=C:\MinGW\bin

C:\Users\pooja>gcc lex.yy.c

C:\Users\pooja>a
Enter the mail: poojaarunagiri2006@gmail.com
It is valid

|

screenshot 2025-08-01 135515.png

mobile.txt

Addline.txt

identifier.txt

email.txt

simple.txt

outline.txt

File Edit View

1:include <stdio.h>

2:int main()

3:int a,b;

4:printf("enter a:,enter b:");

5:c=a+b;

6:printf("the sum of a+b=",c)

Microsoft Windows [Version 10.0.26100.4652]

(c) Microsoft Corporation. All rights reserved.

C:\Users\pooja>set path=C:\Program Files (x86)\GnuWin32\bin

C:\Users\pooja>flex vowel.l.txt

C:\Users\pooja>set path=C:\MinGW\bin

C:\Users\pooja>gcc lex.yy.c

C:\Users\pooja>a

Enter a string: aeiou

Accepted: String starts with a vowel

```
Microsoft Windows [Version 10.0.26100.4652]  
(c) Microsoft Corporation. All rights reserved.  
C:\Users\pooja>set path=C:\Program Files (x86)\GnuWin32\bin  
C:\Users\pooja>flex vowel.l.txt  
C:\Users\pooja>set path=C:\MinGW\bin  
C:\Users\pooja>gcc lex.yy.c  
C:\Users\pooja>a  
Enter a string: aeiou  
Accepted: String starts with a vowel
```


Command Prompt

Microsoft Windows [Version 10.0.26100.4652]

(c) Microsoft Corporation. All rights reserved.

C:\Users\pooja>set path=C:\Program Files (x86)\GnuWin32\bin

C:\Users\pooja>flex frequency.l.txt

C:\Users\pooja>set path=C:\MinGW\bin

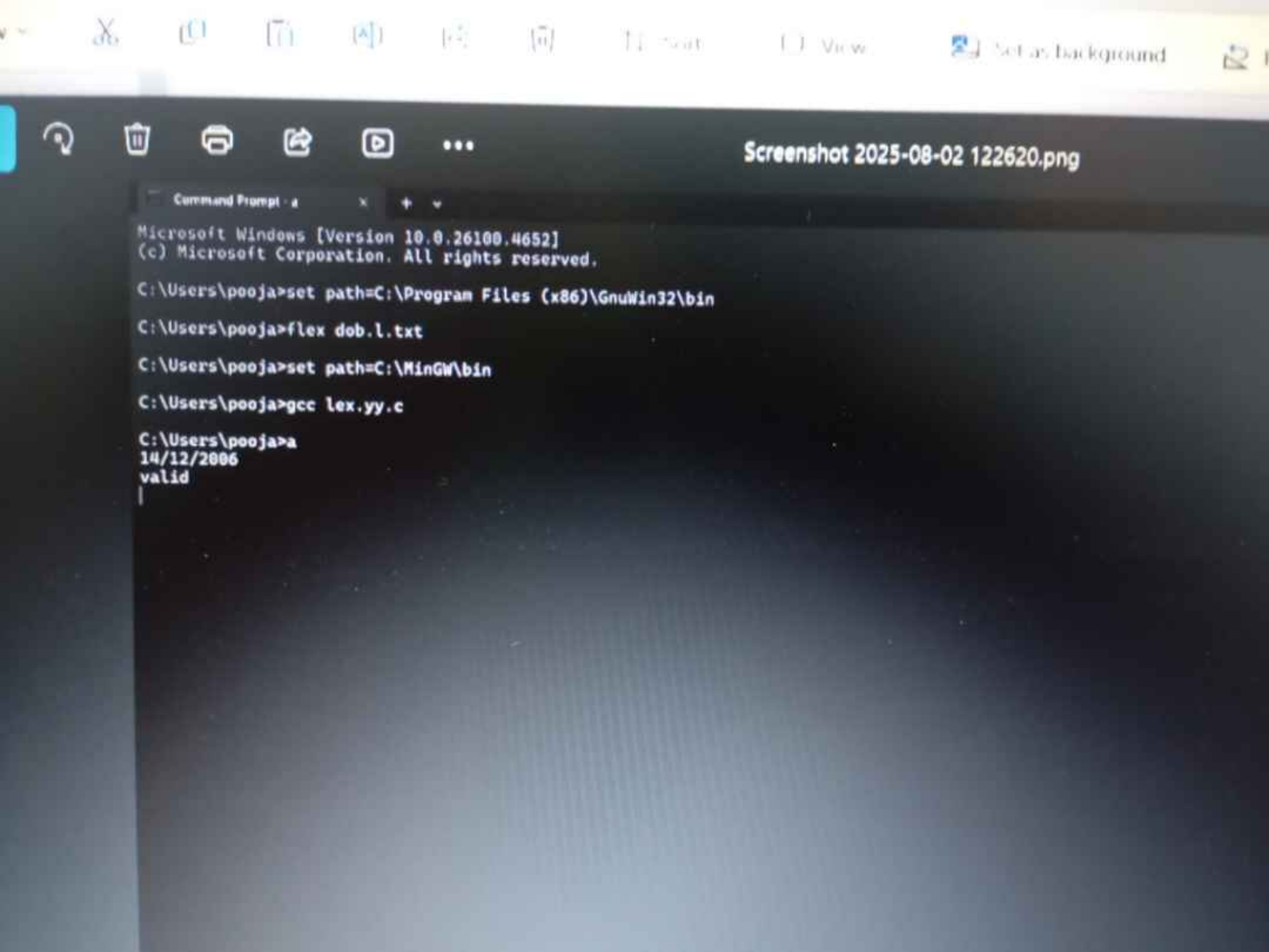
C:\Users\pooja>gcc lex.yy.c

C:\Users\pooja>a

Enter the word to search: hello

Enter the sentence:

hello there,helloworld!



Screenshot 2025-08-02 122620.png

Command Prompt - 4

```
Microsoft Windows [Version 10.0.26100.4082]  
(c) Microsoft Corporation. All rights reserved.  
C:\Users\poorja>set path=C:\Program Files (x86)\GnuWin32\bin  
C:\Users\poorja>flex URL.l.txt  
C:\Users\poorja>set path=C:\MinGW\bin  
C:\Users\poorja>gcc lex.yy.c  
C:\Users\poorja>  
Enter URL: https://example.com  
URL Invalid  
ftp://myserver.org/file42  
URL Invalid  
https://example.com  
URL Invalid  
http://badurl  
URL Invalid  
|
```

Command Prompt

Microsoft Windows [Version 10.0.26100.4652]

(c) Microsoft Corporation. All rights reserved.

C:\Users\pooja>set path=C:\Program Files (x86)\GnuWin32\bin

C:\Users\pooja>flex character.l.txt

C:\Users\pooja>set path=C:\MinGW\bin

C:\Users\pooja>gcc lex.yy.c

C:\Users\pooja>a

I want coffee please

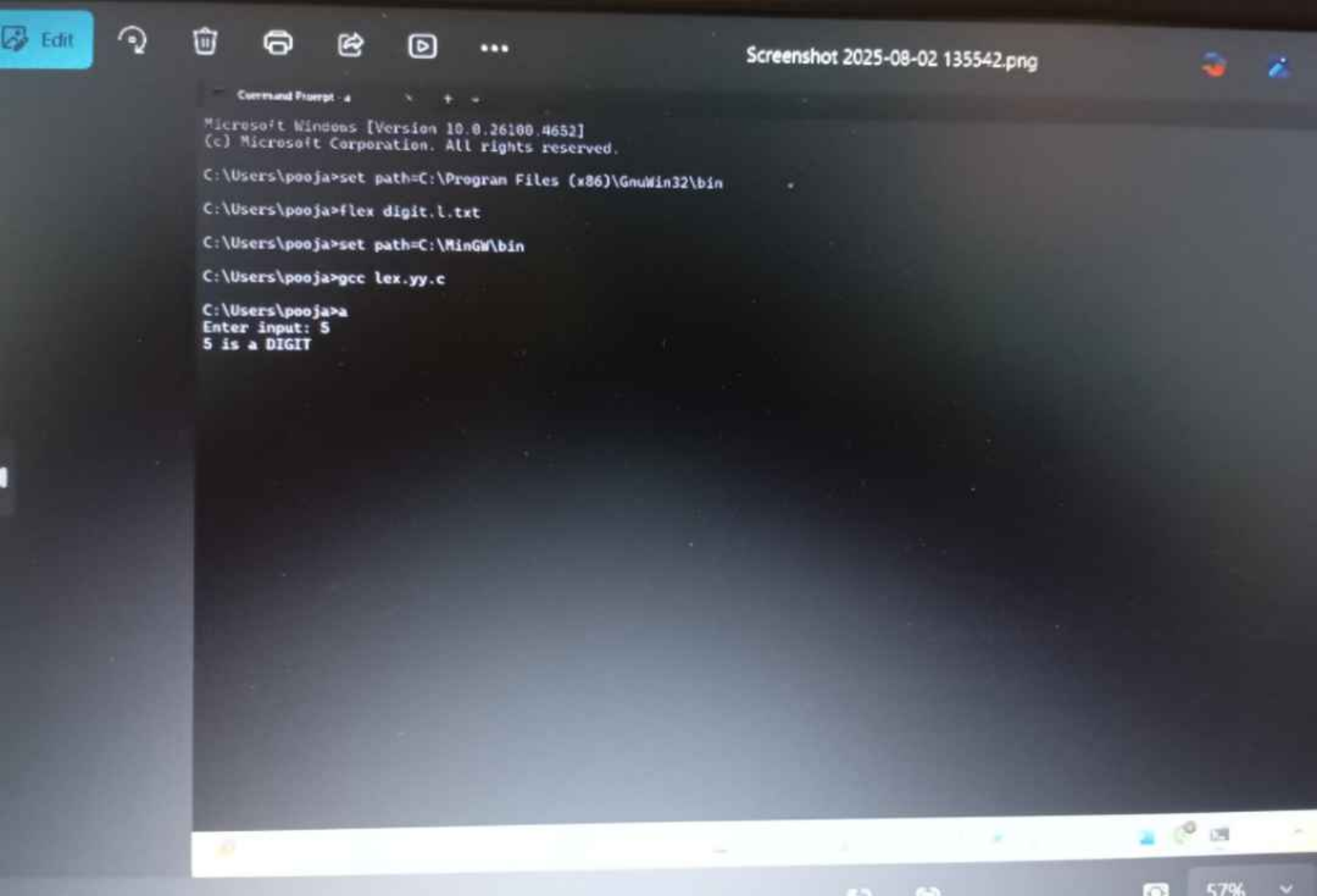
^Z

Characters: 21

Words: 2

Lines: 1

C:\Users\pooja>



```
C:\Program Files\Microsoft Windows\WinSxS\x-ww7-qd9c-g6qd-0800-fd Microsoft Corporation All Rights Reserved
```

```
E:\Users\poofjasee path=E:\Program Files (x86)\Common-ww7-qd9c-g6qd-0800-fd  
E:\Users\poofjasee keyword.txt  
E:\Users\poofjasee path=E:\Windows  
E:\Users\poofjasee lex.yy.c  
  
E:\Users\poofjasee  
Enter code (END with Ctrl-D):  
int x = 10;  
  
int is a KEYWORD  
x IS AN IDENTIFIERfor(int0,int5,int)  
  
for is a KEYWORD  
1 IS AN IDENTIFIER  
1 IS AN IDENTIFIER  
1 IS AN IDENTIFIER  
1 IS AN IDENTIFIER  
while(x=) x==;  
  
while is a KEYWORD  
x IS AN IDENTIFIER  
x IS AN IDENTIFIER
```

C:\Users\pooja\OneDrive\Doc x + v

Enter Non-terminal: a
Enter number of productions: 3
Enter productions (right side only):

a ? A

a ? a

a ? A

After Eliminating Left Recursion:

a ? Aa' | Aa'

a' ? a' | e

Process exited after 93.43 seconds with return value 0
Press any key to continue . . .

C:\Users\pooja\OneDrive\Doc x + v

- 3. Search
- 4. Modify
- 5. Exit

Enter your choice: 1

Enter the label: START

Enter the address: 1000

--- SYMBOL TABLE MENU ---

- 1. Insert
- 2. Display
- 3. Search
- 4. Modify
- 5. Exit

Enter your choice: 1

Enter the label: LOOP

Enter the address: 1010

--- SYMBOL TABLE MENU ---

- 1. Insert
- 2. Display
- 3. Search
- 4. Modify
- 5. Exit

Enter your choice: 2

--- SYMBOL TABLE ---

LABEL	ADDRESS
START	1000
LOOP	1010

C:\Users\pooja\OneDrive\Doc x + v

Enter Number of Productions: 1
Enter the productions (example: $E \rightarrow E-A|b$):
 $E \rightarrow E-A|B$

GRAMMAR: $E \rightarrow E-A|B$ is left recursive.

Grammar without left recursion:

$E \rightarrow BE'$

$E' \rightarrow -AE' \mid e$

Process exited after 34.74 seconds with return value 0
Press any key to continue . . . |

C:\Users\pagan\OneDrive\B...

```
1.insert
2.display
3.search
4.modify
5.exit
1
enter the label a
enter the address 100
```

```
1.insert
2.display
3.search
4.modify
5.exit
2
a      100
```

```
1.insert
2.display
3.search
4.modify
5.exit
3
enter the label a
label is found
1.insert
2.display
3.search
4.modify
5.exit
4
enter the label a
label is found
enter the address 200
```

```
1.insert
2.display
3.search
4.modify
5.exit
```



10/20 x 1080 144.9 KB



57%



C:\Users\poorja\OneDrive\Doc x + v

```
enter the label a
label is found
1.insert
2.display
3.search
4.modify
5.exit
4
enter the label:a
label is found
enter the address200
```

```
1.insert
2.display
3.search
4.modify
5.exit
2
a      200
```

```
1.insert
2.display
3.search
4.modify
5.exit
5
```

Process exited after 129.6 seconds with return value 0
Press any key to continue . . . |

Recursive Descent Parsing for the following grammar:

$E \rightarrow T E'$
 $E' \rightarrow + T E' \mid \#$
 $T \rightarrow F T'$
 $T' \rightarrow * F T' \mid \#$
 $F \rightarrow (E) \mid id$

Enter the string to be checked (no spaces, e.g., a+a*a): a+a*a

String is accepted

 Process exited after 24.18 seconds with return value 0
 Press any key to continue . . .



1483 x 762

34.1 KB



8

```
Enter number of instructions: 3
Enter instructions (e.g., a = b + c):
a=b*c
d=a*c
f=d*g
```

Live Variable Analysis Result:

```
Instr 1: a=b*c
  IN : b c e g
  OUT: a e g
Instr 2: d=a*c
  IN : a e g
  OUT: d g
Instr 3: f=d*g
  IN : d g
  OUT:
```

Process exited after 97.36 seconds with return value 0
Press any key to continue . . .

Command Prompt

Microsoft Windows [Version 10.0.26100.4652]
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C:\Users\pooja>set path=C:\Program Files (x86)\GnuWin32\bin

C:\Users\pooja>flex substring.l.txt

C:\Users\pooja>set path=C:\MinGW\bin

C:\Users\pooja>gcc lex.yy.c

C:\Users\pooja>a

Enter the string: ablx
ABX