# **Assignment-3**

-210001059

## Q-2) Input:

```
Lab-3 > ≡ input2.txt

1 I am Rohit Dhanotia, GDSC Lead at IIT Indore for session 2023-24.
```

#### Output:

```
• rohit@Robin-2223:~/Desktop/CT-Lab/Lab-3$ ./que2 < input2.txt
Number of words: 13
```

# Q-3) Input:

## Output:

```
rohit@Robin-2223:~/Desktop/CT-Lab/Lab-3$ lex que3.l

rohit@Robin-2223:~/Desktop/CT-Lab/Lab-3$ cc lex.yy.c -o que3 -ll

rohit@Robin-2223:~/Desktop/CT-Lab/Lab-3$ ./que3 < input3.txt

Hi, I am a multi-line comment

*/
Number of comments: 2

rohit@Robin-2223:~/Desktop/CT-Lab/Lab-3$</pre>
```

Q 1)		
		chesmate.
Ano)	Lexical Analysens (converts the stream of characters into tokens). The Lex tool strell is a compiler. The Lex compiler takes the input and transforms that input into input patterns. It is commonly used with YACC (Yet Another compiler compiler compiler).	
	Len Source program > Le	hilar lux.yy.c
	Leneyy.c > (on	opsler - a.out
	Triput Stream a out sequence of tokens,  Len File Format  A len file consist of 3 parts separated by %%	
->		
	Dedocations Your Translation rules Translation rules Aunilliary procedures	Frample: 2 number [0-9]
	HOTULE POLY PROCEEDING	if fretwom (IF); }
		Int number Sum()