

Assignment-4

-210001059

Q-1) Input:

```
Lab-4 > ≡ input1.txt
1 Google Develoepr Students Club|
```

Output:

```
● rohit@Robin-2223:~/Desktop/CT-Lab/Lab-4$ lex que1.l
● rohit@Robin-2223:~/Desktop/CT-Lab/Lab-4$ cc lex.yy.c -o que1 -ll
● rohit@Robin-2223:~/Desktop/CT-Lab/Lab-4$ ./que1 < input1.txt
Hpphmf Efwfmpfqs Tuvefout Dmvc
○ rohit@Robin-2223:~/Desktop/CT-Lab/Lab-4$
```

Q-2) Input:

```
Lab-4 > ≡ input2.txt
1 #include <iostream>
2
3 int main() {
4     printf("Hello World");
5     printf("Hello World");
6     printf("Hello World");
7     scanf("%d", &var);
8     return 0;
9 }
10
11
```

Output:

```
Number of printf statements: 3
Number of scanf statements: 1
○ rohit@Robin-2223:~/Desktop/CT-Lab/Lab-4$
```

Q-3) Input:

```
Lab-4 > ≡ input3.txt
1    2
2    -1
3    1/3
4    -22/7
5    5
6    8
7    -3/5
```

Output:

```
Positive Integers: 3
Negative Integers: 1
Positive Fractions: 1
Negative Fractions: 2
rohit@Robin-2223:~/Desktop/CT-Lab/Lab-4$
```