

CS6109 - COMPILER DESIGN – LAB

Week 4 – 13.09.2022

(Spot Questions)

1. Write a Lex program to identify the tokens in the given input statement. Display the character count and line number for each input statement.

```
a. print ( 3 + x * 2)
   def f(x):
       return x
```

```
b. def f(x):
    if x >= 1:
        return x * x
    else:
        return x
    print x
```

2. Write a Lex program replaces the substring abc by ABC from the given input string.

Note:

- Consider the inputs for each program from text file.
- Multiple input files can be considered.