COMPILER LAB

1. Write regular definition to display the line of string for the following using LEX
   1. Comments consisting of string surrounded by /\* and \*/ without intervening \*/, unless it is inside double-quotes(“)
   2. All strings of lowercase letters that contain the five vowels in order
   3. All strings of digits with no repeated digits.
   4. All strings of digits with at most one repeated digit
   5. All strings of *a*’s and *b*’s with an even number of *a*’s and an odd number of *b*’s
   6. All strings of *a*’s and *b*’s that do not contain the substring *abb*
   7. Match any string of one or more characters that do not include lower case a-z
2. Tokenize the following C program statements
3. C = a++ + b++
4. D = ++a + ++b
5. float limitedsquare (x) {

float x;

return (x<= -10.0 || x>=10.0) ? 100:x\*x;

}