**Practical-2**

**Aim:** Write a separate Lex program for following:

1. Write RE that accepts zero or one (at most one) occurrence of ‘a’ over the

alphabets {a,b}.

1. Write RE that accepts either ‘a’ or ‘b’.
2. Write RE that accept either ‘a’ or ‘b’ or ‘c’ without using |.
3. Write RE that accepts zero or more occurrences of ‘a’ and single occurrences of ‘b’.
4. Write RE that accepts all the strings which ends with ‘b’.
5. Write RE for a new line.
6. Write RE that accepts ‘\n’.
7. Write a RE that accepts any character except ‘\’ and ‘n’.
8. Write all the strings which are accepted by [a|b|c\*].
9. Write a RE that accepts any character except ‘a’ and ‘b’.

**Solution:**

1. Write RE that accepts zero or one (at most one) occurrence of ‘a’ over the

alphabets {a,b}.

**Code:**

**Output: Screenshot of executed program**

1. Write RE that accepts either ‘a’ or ‘b’.

**Code:**

**Output: Screenshot of executed program**

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