In-Class Practice Problems (Chapter-2):

1. (Ex-2.3.5) Give a regular expression for the set of strings over {a,b} **that contain exactly two b's.**

2. **(Ex-2.3.7) That contains even number of b's**

3. **That contains odd number of b's**

4. (Ex-2.3.6) Give a regular expression for the set of strings over {a,b} **with two or more b's.**

5. (Ex-2.3.8) Give a regular expression for the set of strings over {a,b} **that begin with ba, end with ab, and contain aa**

6. (Ex-2.3.9) Give a regular expression for the set of strings over {a,b} **that do not end with aaa.**

7. **(Ex-2.3.10)** Give a regular expression for the set of strings over {a,b,c} **that do not contain substring bc**

8. **(Ex-2.3.11)** Give a regular expression for the set of strings over {a,b} **that do not contain substring aa**

9. **(Ex-20)** Give a regular expression for the set of strings over {a,b} of length two or more in which all a's precede b's.

10. **(Ex-23)** Give a regular expression for the set of strings over {a,b,c} that begin with a, contain exactly two b's and end with cc.

11. **(Ex-29)** Give a regular expression for the set of strings over {a,b,c} that do **not contain aa.**

12. (Ex-30) Give a regular expression for the set of strings over {a,b} **that do not begin with the substring aaa**.