**Devops Engineering**

1. Misconception on Devops
2. *Programming language knowledge is required*
3. *Linux Ecperties*
4. *Preior IT Experience*
5. *Only Technical Person Can Learn Devops*
6. Why Devops is requires?
7. *Fast delivery*
8. *Higher quality*
9. *Less cpex and opex*
10. *Reduce outage*
11. *Some keys for devops:*
12. *project: a project is well-defined task, which is a collection of several operations done in order to achieve a task.*
13. *Client: the company/person, who is providing the project.*
14. *On-site: client end;*
15. *off-side: development end;*
16. Sofware Development Life Cycle(SDLC)
17. *requirement gathering and analysis*
18. *development developer end*
19. *build devlopment team*
20. *test*
21. *quality check or quality assurence*

Devops team

1. *deploy*
2. *maintanace and employee training client End*
3. *monitoring operation team*
4. *SDLC Process:*
5. *manual process: before coming devops*
6. *all sdlc part manual doing before coming devops*
7. *automatic process: after coming devops*
8. *development=git,github,gitlab*
9. *build=maven,jenkins*
10. *test=selenium(java based)*
11. *deploy=chef,ansible,docker,puppit*
12. *monitoring=nagios,prtg,aws cloudwatch*
13. *waterfall model:*
14. *requirement gathering and analysis → system design → implementation → testing → deployment → maintenance*
15. Main Problem Of Water Model
16. *developers vs build; build vs test*
17. *this is called Silos issue*
18. Summery Of Chapter
19. *misconception about devops*
20. *why devops*
21. *sdlc(software development lifecycle)*
22. *waterfall model*
23. Agile Methodology
24. *to avoid the silos issue and reduce the period of SDLC, agile method was introduced.*
25. *Now we don’t work part by part.*
26. *To avoid silos issue every morning every department associate gather, meet and consult about faced issue, resolved path and future activity.that is called scrum meeting or sync up meeting or start up meeting.*
27. *Project is broken into several sprint.*
28. *Sprint is small parts of the project. Generally it’s duration is 1 weak to 3 month.*
29. *agile=build short,build often*
30. *agile method means component, module based working;*
31. *devops JRE upgraded version;*
32. *devops agile upgraded version;*
33. *manual process means occurring error chance more;*
34. Still Facing Issue In Agile Methodology
35. *total process is not automated.manual intervention is highly required*
36. *development team and operation team choose yet not been eliminated.*
37. *Development team + operation team = devops team*