

DEVOPS - SCHEDULE



DEVOPS Schedule

Week 1 - 6

Sr. No.	Day	Topic
1	Day 1	Version Control System (Git), Basic of GIT
2	Day 2	Create a new Repository
3	Day 3	Create new branch
4	Day 4	Adding remote repository to local repository
5	Day 5	Git basic commands
6	Day 6	Build the software (Maven)
7	Day 7	Maven life cycle
8	Day 8	Maven commands
9	Day 9	Maven pom.xml
10	Day 10	How maven works?
11	Day 11	Maven pom.xml file
12	Day 12	Maven Repository
13	Day 13	CI/CD Pipeline with Jenkins
14	Day 14	Installation of Jenkins, Create a sample Jenkins Pipeline, Adding new plugins
15	Day 15	Infrastructure as code (Terraform + AWS)
16	Day 16	Terraform installation on AWS ec2 instance
17	Day 17	Create new ec2 instance on AWS
18	Day 18	Terraform Commands, Other Sub-commands
19	Day 19	Terraform Basic like main.tf file, variables.tf file
20	Day 20	Variable Types
21	Day 21	Configuration Management with Ansible
22	Day 22	Installation of Ansible
23	Day 23	Install java on ec2 instance using Ansible
24	Day 24	Ansible commands
25	Day 25	Containerization with Docker
26	Day 26	Docker installation
27	Day 27	Docker file
28	Day 28	Docker image
29	Day 29	Docker repository
30	Day 30	Docker push images to the repository
31	Day 31	Docker commands
32	Day 32	Run Docker container
33	Day 33	Continuous Orchestration with Kubernetes
34	Day 34	Installation of EKS
35	Day 35	Architecture of Kubernetes
36	Day 36	Master Node Components
37	Day 37	Worker Node Components
38	Day 38	Prometheus and Grafana, what is Prometheus?
39	Day 39	End to end pipeline for java micro service application
40	Day 40	End to end pipeline for java micro service application

Week 6 – Week 8 – Sample Project