10) Monitoring and Maintanence.

Q.2 Case study for sonordube. Creating own profile in sonarqube for telin Project quality. Use sonorqube to analyze your Github code. Install sonarlint in your intellij id and analyze java rode. Analyze python project with sonorqube. > Sonorqube is an open source platform wed for continuous inspection of code quality. 1) Profile updation exection in somerqube: Quality profiles in sonarqube are essentia configurations that define rules applied durin code analysis. Each project has a quality profile for every supported language with default being sonorqube? Using sonarcloud to analyze Github code. Sonarqube / sonar Moved is Moved based counterpart of sonar Jube that integrates directly with Gilhub, BitBucket, Azure and Gitlab Repos. To get started with sonarcloud via Bithub sign up via sonorcloud setup, complete result can be crewed in both sonar-cloud & Crithub including security import issue. 3) Sonorlint in Java IDE: Sonarlint is an IDF that performs on the fly code analysis as you write rode. Ithelp developers detect bugs, security vulneralabilities and node smells directly in the development environment such as Intellij Idea or Ellipse FOR EDUCATIONAL USE (Suntaram)

of Analyzing Python Projects with SonarQube: Sonarqube supports Python test coverage, exporting, but it requires third party too like coverage.py to generate the coverage port. To enable coverage adjust your blind process so that coverage tool runs before somar scanner and ensures report. 5) Analyzing Nodejs projects with Jonarqube. For node js project sonarqube can analyze Jovascript and Typesuptof code dimilar to the python setup you can configure sonarquibe to analyze node is projects by installing the appropriate. At a large organization, your centralized operations team may get repetitive infrastructure requests. You can use Terrator bo build a Self-serve infrastructure Terratorm's self-serve infrastructure provides a powerful use case in large organizations i) self serve infra: By using Terraform modules, you con create reusable and standardized infrastructure config. Module creation in Terradorm, main. Es, vonables. If, and outputs. If. Also after module creation its standardization is equally important. ii) Enabling self-senice for Product Teams: Creak a self Service or version control access FOR EDUCATIONAL USE

and provide pre-configured terroform workflow enboard and train product teams, and the most important RBAC (Role based Access Control) for preventing unouthonized Acress 3) Automate Infrastruct Request via Ticketing systems: Integrate Terraform (loud or Terraform Enterpri connect terraform with the Ticketing system automate approval workflows and monitor & log requests. 4) Workspaces setup for Environment Segregation. To manage different environments, Terratorn workspaces were set up. This ensured that trong could deploy the same infrastructure across different environments without overlap