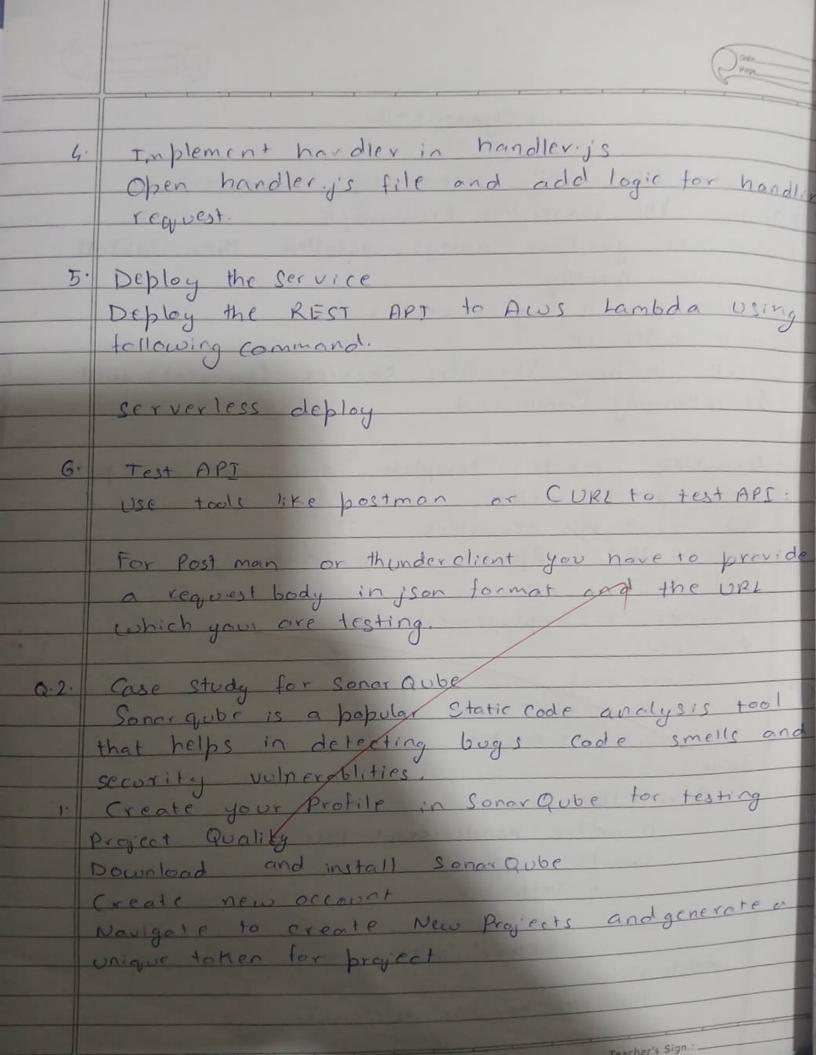
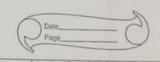


Teacher's Sign .: \_

## Assignment -2

Execte REST APF Serverless framework.
Install the Serverless Framework make sure you have node is installed, then install Serverless globally nem install -g serverless Create a service create a new Serveless Service (praject) with the following Command. Serverless create -- template aws - nedects -- path rest - opi - ger verless cd rest-api-serverless Define API Endpoints in serverless, you Service: rest-api-serverless Provider: name: acus runtime node 14.x xegion: US-enst-1 functions: Create User: handler: bander-create User even ts: - http: Path: Users method: post delete User: handler handler deleteuser





Use Sonar Cloud to analyze your Github code: sign up at Sonor Cloud and link it to your withob account. Import a project from github into Sonar Cloud Configure Sonar Cloud with your projects quality.

9 Use Sonar cloud Githubaction in your Cl pipeline or run Sonar Scanner locally to analyze project. Install Sonar Lint in your java Intelij IDF Install Sonarlint in your Intellij or Eclipse from :plugin marketplace. Configure Sonar Lint to bind with sonar Qube or Sonar Cloud instance Review the Suggestions provided by Solar Lint end refactor code accordingly. Analyze Python project with Sonor Qube destall Sonar Scanner or use a C1 pipeline to degrate sonar Qube analysis into your pythion degreet Create a python project in sonar Qube or Sonarlantique the sonor-project properties tile for your lythen project:



5. Analyze Node js project with Sonor Qube " Install Sonar Scanner or integrate Sonar Qube into your (1 pipline for Node is projects. 2. Create a sonar project - properties file - for your Node js project: 3: Run Sonoi Scanner to analyze your noders Son ar-scanner 4. Review the results in Sonar Qube to identify any code quality issues like code smells vulnerablities issues in your Node je code. 3. Terratorm and Self-Serve Infrastructure Model Lorge Organizations 1. Using Terratorm Pola Self- Serve Intrastructure. In large organizations, the operations team of gets repetitive infrastructure requests. A soll to streamline this is by using Teratorm to built a self-towere intrastructure model. with Terraform, product teams can independently me their infrastructure with original Standards. Allow decentralized teams to deploy services officiently > Ensures Compliance with best practices and Standards through reusable terratorn moduels. > Reduces the workload on the central operation 2 Improves scalablity and flexiblity in manging in

Terratorn modules: By Creating reusable Terratorn modules you can encapsulate best practices deploying services like detabase , VMs, or containers making it earser to manage resources. Terratorm Cloud and Ticketing System Integration Terratorm Cloud integrates with ticketing system like Service Now to automate infrastructure requests. Service Now - Terratorm Integration: when a new infrastructure request is generated in Service Now Terratorm Cloud can automatically create and provision the requested infrastructure using predefined terraforms modules. GONAL USE