ADV. Devops DATE: ROII.NO .42 NAME: Pranav Pol STD .: DIV .: DIS A PAGE: Assignment No.2 Q.1 (seate a REST API with the serverless The serverless Framework is on open source that Simplifies the deployment and management of Sérves es applications. It allous developers to build and deploy application on Cloud Platform Like AMS whithout having to manage the underlying inforsterraure. Step 1: Install the serverless framework First ensure you have Nodejs and npm installed - Then ensure install the serverless Frame work globally npm install -g serverless Steps: Create a new Serverless service Serverless Create -- template aus-nodejs - Path my Senice Colony-Service. Step 3: Define Function in Severless.yml open serverless you file in project directory In this file we define our service Configuration including the functions and their triggers events This file Contains Service, Provider it nume and suntime envisonment. It also Contains Functions which Contains Create, read, appare and delete methods. <u>world star</u> For Educational Use

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	Step 4: Implement lamda function.
	Create a Handler. is file in your project
	douctory. In this file we write the Code for
	our lambda functions.
	This file Contains export function of modules
4	CF Various (RUD methods.
	in the second of
•	Step 5: Deploy your service, and AWs Config
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	aws a Consigurence me total a start of
	Deploy your Service to cour using
	Serverless duploy on
	This Command parkages our services, aploads
	it to AWs, and Setemp necessary infrustructure
	Step 6: Testing Quix APT 1111111
	After deployment, the Serverless framework
	will provide us with the endpoint for
	our API. We Coin test these end point Wing
	tools like Postman or CURL.
	For example, To test the Creak function
	we can send the Post request to the
	provided ORL

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Q.3.	
3	A Sell Serve 2 102 A
	A sey serve infrastructure model allows individ
	Paraluct trans within an organization to
	Provision and manage their infrastructure without
	the need for a Centralised operations team. This
	is done by Creating reusable Terratorm modules
	that en Capemates the Organisation 's Standard
4	and best practices Terragem enables Teams to
	define their infrastructure as Code, automating the
-	provisioning and life cycle management of Cloud
	eresources.
	Terrajem modulis au enusable, versioned, and
	Shawable Components that define infrustructured
	resources. They encapsulate best practices and
	Standards for deploying and managing benvices.
	For example, an organisation may enquire all its
	erosources to have specific tagging use Certain
	Cestain group, or enforce encuption on Storage
	resources. By using Terragam modules, these
	requirements (an be Codified, ensuring Compliance
	Terragem Cloud is a managed service that provid
	for running Terogem Commands evendely.
	enabling inforestructure as Code worm flows.
	with integration into ticketing services oysten
	like SeniceNow, infrastructure request Can be
	automatically generated based on sensie
	tickets, Streamining the provisioning process.
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