

Task 2:

Build a Serverless App Using API Gateway + Lambda + DynamoDB

Goal: Create a simple serverless backend API.

Steps:

1. Create a DynamoDB table (e.g., Products).
2. Create Lambda functions:
 - a. Add item
 - b. Get item
 - c. List items
3. Connect them to routes in API Gateway
 - a. POST /product
 - b. GET /product/{id}
4. Enable IAM permissions for Lambda → DynamoDB.
5. Deploy API and test using any application.

Skills Covered: Lambda, IAM, DynamoDB, API Gateway.

➔ Goal -

- Create a **serverless backend API** that:
- Stores products in DynamoDB
- Exposes REST endpoints
- Scales automatically

➔ Service	used
API Gateway	Public REST API
AWS Lambda	Business logic
DynamoDB	NoSQL database
IAM	Secure permissions
Terraform	Infrastructure automation