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AWS Lambdas
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-> AWS lambdas are used to achieve serverless computing.

-> Serverless computing means run the application without thinking about servers.

-> AWS will take care of servers required to run our application.

=> The main advantage of serverless computing is, it works based on 'Pay as you use' model.

=> If your application code is executed then only bill be generated. If nobody accessing your application then no bill.

  code executed for only 5 mins : bill will generate only for 5 mins.

Note : AWS lambdas works based on function as a service (FaaS).

=> Lambda scales up and down automatically to handle your workloads, and you don't pay anything when your code isn't running.

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Running Java Code with AWS Lambda
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1) Create Lambda Function with 'java 21' runtime

        - Enable Functional URL
        - Auth Type None (Public Access)

Note: Once lambda function got created we can see URL to access that function.

2) Access Lambda function using its URL.

Git Repo For JAR download : https://github.com/ashokitschool/Jars

2) Upload jar file in 'Code Source'

3) Configure Handler in Runtime

                Class Name : in.ashokit.LambdaHandler

                Method Name : handleRequest

Handler Syntax : className :: methodName

Ex: in.ashokit.LambdaHandler::handleRequest

4) Access Lambda function using its URL and see the response

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Assignment for Developers
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=> Develop SpringBoot REST API to perform CRUD Operations and deploy that application using AWS Lambdas and test it using POSTMAN.

Note: In REST API we should have below functionalities

a) Create Product

b) Update Product
c) Retrieve Products
d) Delete Product

Tech Stack : SpringBoot + Data JPA + H2 DB + AWS Lambdas + POSTMAN