💡 AWS LAMBDA

📌 AWS Lambda is an Amazon serverless service that runs code and automatically manages the underlying computing resources.

📌 We pay only for the compute time we consume , no charge needs to pay when code is not running. No charges for creating AWS Lambda functions and no backend cost as well.

📌 AWS Lambda code can be written in NodeJS, Java, C#, Python etc.

📌 The code will execute based on the events response , such as adding/removing files in #s3 bucket, HTTP request from #amazon API Gateway etc.

▶️ *AWS Lambda works as below*:
1. Developer writes and upload code in #aws Lambda.
2. When an event specified occurred , then it will trigger the function.
3. AWS #lambda runs the code it triggered .
4. AWS manages the associated infrastructure and resources.
5. Lambda function will automatically destroy once the specified task completed.

❎ Use Cases
->Helps for ETL process
->Create compliance/authentication rules
->Use for creating web applications
->Automated Backups of everyday tasks
->Scalable back ends (mobile apps, IoT devices)

❎ Advantages
->Very fast as it will execute the code in milliseconds
->Highly flexible
->No need to manage the resources
->Uses for scheduling as it is configured with external event and timers
->It can be scaled quickly as the Lambda functions are stateless

❎ Limitations
->Not suitable for small projects
->Cannot install any additional software if code demands it as it relies on AWS infrastructure