Marketing Team Serverless Training

This training is designed to enable resources to work on serverless projects. In it we will look into aws services and aws SAM.

1. **AWS Identity and Access Management (IAM)** - [AWS Documentation for IAM](#)
2. **AWS Lambda** - [AWS Documentation for Lambda](#)
3. **Amazon S3** - [AWS Documentation for S3](#)
4. **Amazon Cloudwatch** - [AWS Documentation for Cloudwatch](#)
5. **Amazon VPC** - [AWS Documentation for VPC](#)
6. **AWS Step Function** - [AWS Documentation for AWS Step Function](#)
7. **Amazon RDS** - [AWS Documentation for RDS](#)
8. **Amazon Glue** - [AWS Documentation for Glue](#)

Prerequisite:

Before starting the task, you'll need to review the documentation links provided for the AWS services listed above, as well as the AWS SAM training plan. An AWS account will be necessary to complete the following labs.

Tasks :

A. Create a pipeline using AWS Step Functions (state machine) and Lambda functions that extracts data from an RDS table and uploads it to S3 as an object. Extend the pipeline to convert the data from the S3 object into XML format and save the XML file back to S3.
B. Implement a process where a Python script, run locally, uploads a file to an S3 bucket. Then, trigger a Lambda function that reads the file, converts it to XML, and stores the converted file in S3.
C. Create an AWS Glue job that extracts data from an RDS table, applies transformations, and then saves the processed data to S3.
D. Finally, use AWS SAM to build the serverless infrastructure for the pipeline in the second task. There's no need to create the RDS instance using AWS SAM—focus only on the serverless components, including complete code and configuration.