Step 1: Learn AWS developer fundamentals

1. Tools to Build on AWS (<https://aws.amazon.com/tools/?trk=b4e47a47-3ea8-45bc-9260-b4087b5e6679&sc_channel=el>) :
   1. Choose AWS SDK for NodeJS
   2. AWS sdk makes it easier to develop and deploy application for javascript to access AWS services
   3. AWS sdk can be used to create server-side nodejs app, web-based javascript app and react-native based mobile app. Therefore it supports three runtimes for each category.
   4. Current version is AWS SDK v3
   5. It provides first-class typescript support.
   6. AWS Sdks are written in typescript, which then compile into JS.
   7. AWS sdk has its own middleware stack.
   8. AWS sdks have modular architecture. Means we can import only those modules that we want from AWS sdk for our application. This will help in reducing application bundle size
   9. **Develop Server-side apps (getting started with aws sdk for nodejs) (**[**https://docs.aws.amazon.com/sdk-for-javascript/v3/developer-guide/getting-started-nodejs.html**](https://docs.aws.amazon.com/sdk-for-javascript/v3/developer-guide/getting-started-nodejs.html)**) :**
      1. Setup the project environment to run the typescript examples and install the AWS sdk for JS and 3rd party modules as follows:
         1. Clone the repository **git clone** [**https://github.com/awsdocs/aws-doc-sdk-examples.git**](https://github.com/awsdocs/aws-doc-sdk-examples.git) in your local
         2. Load AWS credentials from shared credentials file by creating credentials file in .aws folder (C:\Users\USER\_NAME\.aws\credentials) and add the access key-id and secret access key.
         3. Go to C:\aws-sdk-proj\aws-doc-sdk-examples\javascriptv3\example\_code\nodegetstarted (where aws-sdk-proj is my custom folder) and give command **npm install.** This will install the necessary dependencies.
         4. Create a folder named **libs** in the root of your project (same path as above), and create a file named **sampleS3Client.js**
         5. Add the code for creating S3 client in this file.
         6. Then, create a file called **mySample.js** that can be used for creating S3 bucket and putting an object in that bucket. The s3 client needs to imported from **sampleS3Client.js**
         7. Make sure to give bucket name as per the bucket naming rules. Do not use underscore or capital letters.
         8. Run the command **node mySample.js**
         9. Check if the bucket got created and object has been put successfully into the bucket.