**Postcode App Creation and Deployment Steps**

**Code Setup:**

* Clone the Postcode API and Web App code from the below github urls.
  + API Code : <https://github.com/hariPOC/PostcodeAPI.git>
  + Web App Code : <https://github.com/hariPOC/PostcodeWebAPP.git>
* Build the API code to restore the all dependent nugets for sucessfull run.

**Deployment Steps:**

* **Prerequisite :** AWS CLI should be installed and configured as admin user in you local machine using AWS Access Key and Secret Key.
* **API Deployment:**
  + Navigate to the API Solution folder : **{local repository}/PostcodeAPI/PostcodeAPI/**
  + Open the terminal/command prompt from the above path.
  + Run the below Commands:
    - Command 1: “***aws cloudformation deploy --template-file apicloudformation.yaml --stack-name postcodeapistack***”
    - After sucessfull run of command-1 the execute command-2
    - Command 2: “***dotnet lambda deploy-serverless***”
  + A new API will be created in AWS. Copy and save the **api url** from the comman prompt/terminal verbose. (This copied url should be updated in web app in later steps)
* **Web App Deployment:**
  + Navigate to the Web App Solution folder path : **{local repository}/PostcodeWebAPP/**
  + Open the .env(~/PostcodeWebAPP/.env) file and update the REACT\_APP\_SERVICE\_URI value with the above acquired the **api url.**
  + Open the terminal/command prompt from the above solution folder path.
  + Run the below Commands:
    - Command 1: “***aws cloudformation deploy --template-file webappcloudformation.yaml --stack-name postcodewebappstack***”
    - After sucessfull run of command-1 the execute command-2
    - Command 2: “***npm run deploy***”
  + A new Postcode web app will be created in AWS.
  + **<http://postcode-webapp.s3-website-us-east-1.amazonaws.com/>**