<u>Assignment 2</u>   **(Due on 16ᵗʰ August, 2022, 03.30PM)**

Write program to create a web tier of a cloud application. Follow the steps below:

- Create a static website with one or two HTML pages and copy the pages and dependent files in an Amazon S3 bucket.
- Create a startup script to install Apache server and copy the website files from S3 to the instance.
- Create a Python program using *boto* to launch an *t2.micro* instance. Supply the startup script you created in previous step while launching a new instance from the program. Use a security group with port 80 open.
- Your program should check the status of the newly launched instance and return the public DNS address of the instance when the status changes to "running".
- Open the public DNS of the newly launched instance in a browser and verify if the static website works.

N.B:

1. You need to install *boto* in your Laptop. You can install *boto* from source or using *pip* command. For installation and *boto* configuration, you can follow the links below.

   https://boto3.amazonaws.com/v1/documentation/api/latest/index.html