**CIL Academy**

**Themes for Module 3 are**:

1. Access Methods for CSPs Resources and Services - Cloud Console, CLI, CloudShell, SDK & API
2. AWS Compute & Storage Services
3. Introduction to Infrastructure as Code (IaC) via AWS CloudFormation

Here is an assignment to get you pondering. When you finish M3 content, you should be able to solve it - easy peasy lemmy squeezy!.

* Create a CloudFormation (CFN) Stack that launches a t2.micro EC2 instance (Amazon Linux 2 AMI) and an S3 bucket.
* A role should be given to the EC2 instance such that you can access it via SSM without any key-pairs (*I repeat NO Key Pairs please*).
* Add other CFN resources as necessary to complete your stack
* After creating your CFN stack:
* Upload some lovely pictures into your S3 bucket
* SSM into the EC2 instance and copy the contents of the S3 bucket into a DIRECTORY within your home directory called "**mys3backup**" (e.g. /home/blessing/mys3backup)
* Write a Python Script that copies the S3 content to that directory on execution
* Set up a cron job so that the Python Script does the above at least once every day at a time of your choosing - morning, noon, or night.
* As a plus - write up a small design description to show what you have achieved. If you add a picture, you save a thousand words