AWS Assignment

**A. Create a static website using S3 bucket.**

1. Follow the steps in the **Create a static website using S3 bucket step by step guide** and create your own website and display your name and message of the day.
2. **Perform Following**

Create a new EC2 instance using Redhat 8 AMI.

2. Create a new key to access this EC2 instance.

3. Use putty to connect to this EC2 instance.

4. Install httpd package and create a website that will display following message.

“Welcome to EC2 service ..........<Your Name>”

(Hint: - Steps –

a. sudo yum update -y

b. sudo yum install httpd -y

c. cd /*var/*www/html

d. sudo vi index.html and type html code.

e. Save the file.

f. sudo systemctl start httpd.

g. sudo systemctl enable httpd)

5. Configure inbound rule in security group associated with the EC2 instance to allow http traffic.

6. Open the website using the public IPV4 address of the EC2 instance.

7. Open the website using the public DNS name of the EC2 instance.

8. stop this EC2 instance.

9. After some time start this EC2 instance.

10. Check if the public IPV4 address of the EC2 instance is same ?

11. Try accessing the website using current public IPV4 address, is it opening?

12. Try accessing the website using the public DNS name of the EC2 instance, is it opening?

13. Start WinSCP and connect to the EC2 instance and copy some python programs to the EC2 instance.

14. Use putty to connect to the EC2 instance and verify if the files are copied.

15. Try running your python programs.

16. Once all the things are done, terminate the instance.

1. **Login to [www.codenvy.com](http://www.codenvy.com) (RedHat) and create a basic python workspace. Modify the add.py file and display a welcome message.**
2. **Create a python program that will ask your two numbers and ask the operation to perform like addition/multiplication etc. And provide the result. Then create a docker image of the program and run the program inside the container.**