SOFTWARE ENGINEERING LAB

EXERCISE – 8

TOPIC – 1

AWS ACADEMY LEARNING ACCOUNT CREATION

In this exercise, we will be:

- Set up an AWS Academy account to access cloud services for learning purposes.
- Navigate the AWS Academy Learner Lab to activate and explore its features.
- Create a free AWS account by completing email, billing, and phone verification steps.
- Access the AWS Management Console to explore services like EC2 for cloud-based tasks.
- Learn to start, manage, and terminate AWS lab sessions while adhering to usage limits.
- **Note: At every step take screenshots and save in a document**

AWS Academy Account Creation

1. **Check Your Email**
   - Look for an AWS Academy course invitation email.
   - Click on **Get Started**.

2. **Create Your Account**
   - Click **Create My Account**.
   - Set up a **password**.
   - Choose an Indian time zone (e.g., IST).
   - Check all the provided boxes.
   - Scroll down and click **Register**.

3. **Access the Account**
   - After account creation, click on **Account** in the window.

4. **Logout and Relogin Instructions**
   - To log out: Click **Logout**.

- To log back in:
    - Go to Google and search for **AWS Academy Login**.
    - From the search results, look for **Untitled** and click on it.
    - Select **Student Login**.
    - Enter your username and password, then click **Login**.

5. **Navigating the AWS Academy Learner Lab**
    - After logging in, click on **AWS Academy Learner Lab**.
    - Click on **Modules** and scroll down.
    - Select **AWS Academy Learner Lab**.

6. **Agree to Terms & Conditions**
    - Read through the terms and conditions provided.
    - Scroll down and click on **I Agree**.

7. **Start the Sandbox Environment**
    - If there's a **red dot** beside AWS, it indicates that the lab environment is in a stopped state.
    - Click **Start Lab** to activate the environment.

8. **Lab Environment Details**
    - Once the lab starts, you can use it for **4 hours**.
    - If additional time is needed, restart the lab to reset the timer.
    - You are provided with **$50 in free credits**:
        - **Important:** Exceeding this limit will block further AWS access using the same email ID.
    - Once AWS status turns **green**, click on it to access the AWS dashboard.

9. **Perform Exercises**
    - From the AWS dashboard, click on **EC2** (visible under the **Recently Visited** section).
    - Begin your lab exercises from this point.

10. **Ending the Lab**
    - After finishing your tasks, click **End Lab**.
    - Confirm by clicking **Yes**.
    - A **red dot** beside AWS indicates the lab environment has stopped.

The below is for your information, no need to take screenshots from here

Steps to Create a Free Tier AWS Account

1. **Visit the AWS Website**
   - Open aws.amazon.com.
   - Click **Create AWS Account**.

2. **Provide Account Details**
   - Enter your **email ID** and **name**.
   - A verification code will be sent to your email.
   - Enter the verification code on the website.

3. **Set Up Password**
   - Create and confirm a password for your account.

4. **Provide Contact Details**
   - Enter your contact information and agree to the **Terms and Conditions**.
   - Click **Create Account**.

5. **Billing Details**
   - Add your billing information for account verification.
   - AWS will temporarily charge **₹2** for verification purposes, which will be refunded once verification is complete.

6. **Phone Verification**
   - After billing verification, enter your **working contact number**.
   - Choose your **country** and click **Send SMS**.
   - Enter the verification code sent to your phone.

7. **Select a Plan**
   - Choose the **Basic Plan** (free).
   - Click **Complete Sign-Up**.

8. **Access the AWS Management Console**
   - After completing the sign-up, navigate to the **AWS Management Console**.
   - Select your role as **Academic/Researcher** and your interest as **DevOps**.
   - Click **Submit**.

Using the AWS Management Console

- Sign into the AWS console using your **Root User** credentials.
- The console dashboard will appear, where you can access and explore various AWS services.