Q6: Enable Multi-Factor Authentication (MFA) for the IAM user admin-user.

- 1. Create an IAM User (admin-user)
 - 1. Log in to the AWS Management Console.
 - 2. Navigate to IAM (Identity and Access Management).
 - 3. Click Users > Add Users.
 - 4. Enter User name: admin-user.

2. Enable Multi-Factor Authentication (MFA) for admin-user

- 1. Go to IAM > Users > Click admin-user.
- 2. Click on the Security credentials tab.
- 3. In the Multi-Factor Authentication (MFA) section, click Assign MFA device.
- 4. Choose an MFA method:
 - Authenticator app (Recommended) Google Authenticator, Authy, or AWS MFA
 - Security key FIDO2-compatible security key
 - o Hardware TOTP token Physical MFA device
- 5. Click **Next** and follow the setup instructions.
- 6. **Scan the QR Code** using the Authenticator app.
- 7. Enter the **two consecutive MFA codes** displayed in the app.
- 8. Click Assign MFA.
- 9. MFA is now enabled for admin-user!

3. Verify MFA Using AWS CLI

To confirm MFA is working, follow these steps:

Step 1: Open Command Prompt

On your system, open Command Prompt (cmd) or Terminal.

Step 2: Run the get-session-token Command

Run the following command to generate a temporary session token using MFA:

RUN : aws sts get-session-token --serial-number arn:aws:iam::949847155882:mfa/AWS-MFA-Admin --token-code 123456

Replace the values:

- arn:aws:iam::949847155882:mfa/AWS-MFA-Admin → Use the MFA ARN from AWS.
- **123456** → Enter the **current 6-digit MFA code** from your Authenticator app.

MFA is now successfully enabled