

Step 12: The following window will appear. Check every detail and click on “Create User”.

The screenshot shows the AWS IAM 'Create user' console. The left sidebar indicates the current step is 'Set permissions'. The main content area has three tabs: 'Permissions options', 'User groups (2)', and 'Set permissions boundary - optional'. The 'Permissions options' tab is active, showing three radio buttons: 'Add user to group' (selected), 'Copy permissions', and 'Attach policies directly'. Below this is a table of user groups. The 'User groups (2)' tab shows a table with columns for Group name, Users, Attached policies, and Created. The 'Set permissions boundary - optional' tab is also visible.

Group name	Users	Attached policies	Created
group1	1	AdministratorAccess	2025-01-31 (3 days ago)
group2	1	AdministratorAccess	2025-01-31 (3 days ago)

At the bottom, there are buttons for 'Cancel', 'Previous', and 'Create user'.

Step 13: Here we can see that the user has been successfully created. Download the csv file of the credentials which is required for the further use.

The screenshot shows the AWS IAM 'Create user' console. The left sidebar indicates the current step is 'Retrieve password'. A green success message at the top states 'User created successfully'. Below this, there is a section for 'Console sign-in details' which includes a 'Console sign-in URL' and a 'User name'. The 'Console password' is displayed with a 'Show' button. At the bottom, there are buttons for 'Cancel', 'Download .csv file', and 'Return to users list'.

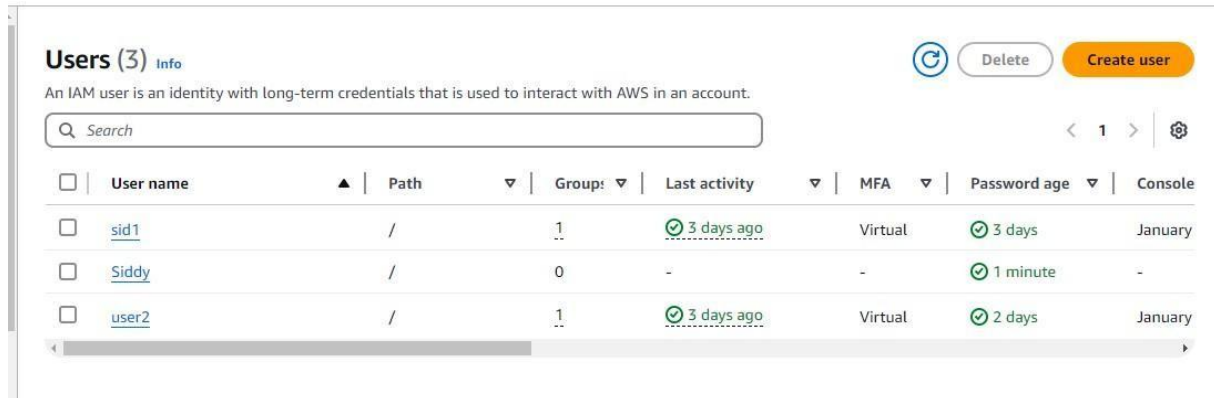
Console sign-in details

Console sign-in URL
<https://s88738572450.signin.aws.amazon.com/console>

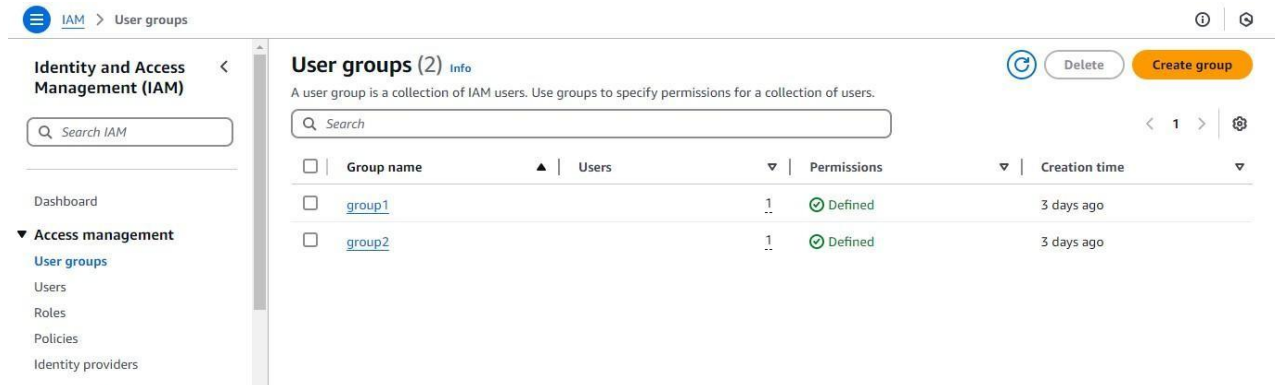
User name
 Batch1

Console password
 ***** Show

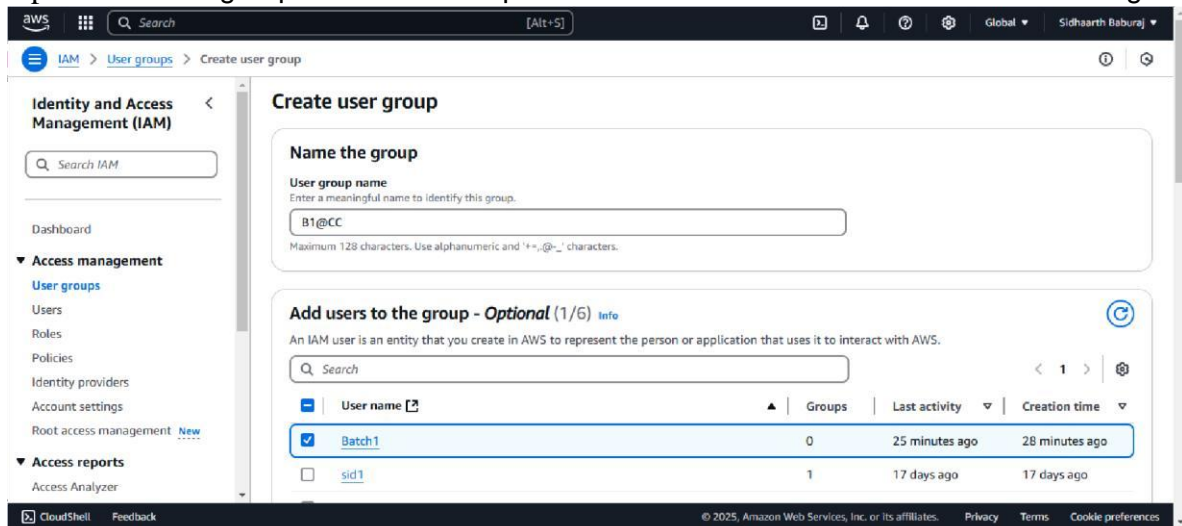
Step 14: Here we can see the user we created just now.



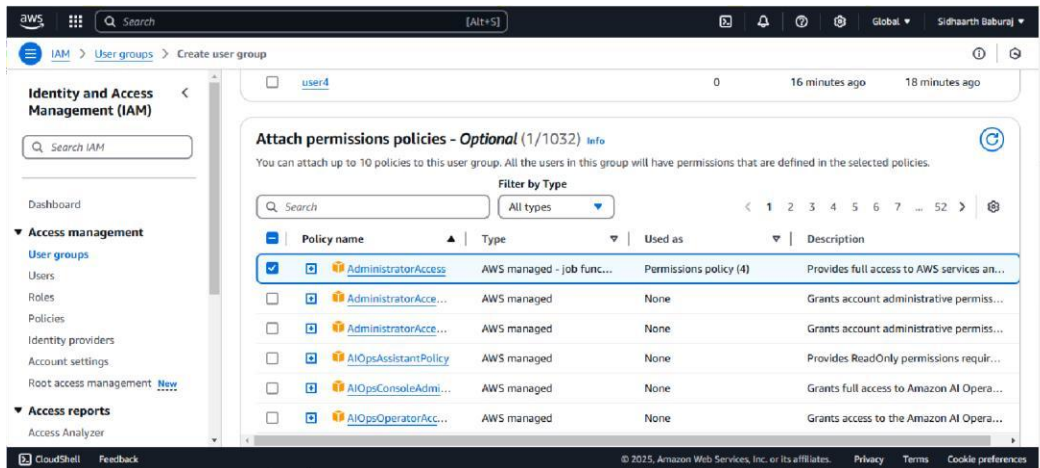
Step 15: Click on “User groups” and select the option on “Create group”.



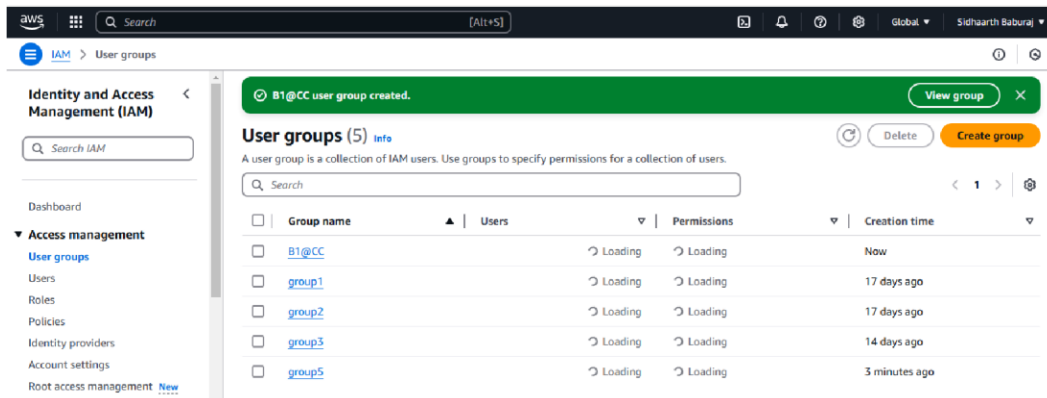
Step 16: Give the group name in the respective field and select the users to add into the group.



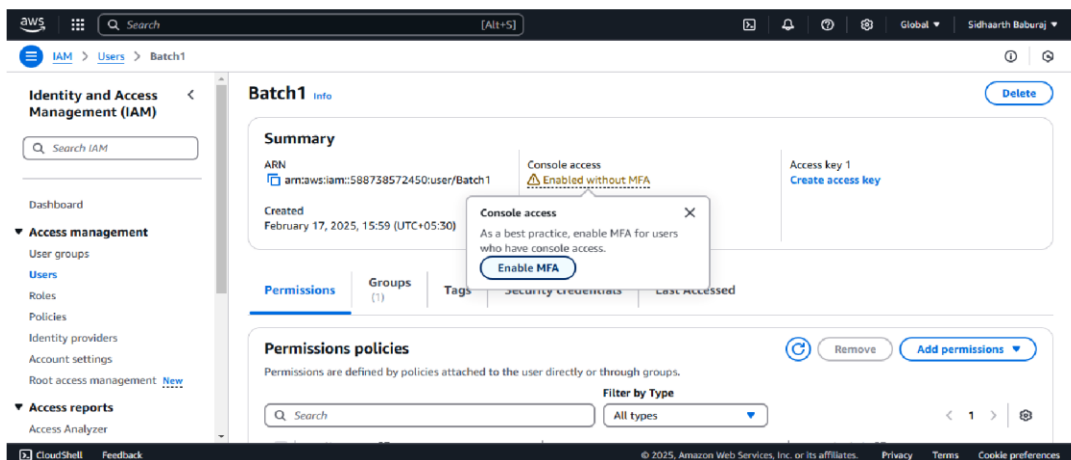
Step 17: Here Attach the permission policies, select the first option as shown below. Click on create group.



Step 18: Here the group is successfully created as shown below.



Step 19: Go to the Users and click on the link of the user just created, The following window will appear in that click on the option of "Enable without MFA" and select the option of "Enable MFA".



Step 20: Give a name to the MFA device.

aws [Search] [Alt+S]

IAM > Users > Batch1 > Assign MFA device

Step 2
Set up device

MFA device name

Device name
This name will be used within the identifying ARN for this device.

B1Device

Maximum 64 characters. Valid characters: A-Z, a-z, 0-9, and + = , . @ _ - (hyphen)

Step 21: Select the option of “Authenticator app”.

aws [Search] [Alt+S]

IAM > Users > Batch1 > Assign MFA device

MFA device

Device options
In addition to username and password, you will use this device to authenticate into your account.

☐ **Passkey or security key**
Authenticate using your fingerprint, face, or screen lock. Create a passkey on this device or use another device, like a FIDO2 security key.

☒ **Authenticator app**
Authenticate using a code generated by an app installed on your mobile device or computer.

☐ **Hardware TOTP token**
Authenticate using a code generated by Hardware TOTP token or other hardware devices.

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Step 22: Click on Show QR Code to get the code to scan. Scan the QR Code and wait till the MFA code is generated and provide the code in the following fields. Click on Add MFA.

aws [Search] [Alt+S]

IAM > Users > Batch1 > Assign MFA device

Open your authenticator app, choose **Show QR code** on this page, then use the app to scan the code. Alternatively, you can type a secret key. [Show secret key](#)

3 Type two consecutive MFA codes below

Enter a code from your virtual app below

642051

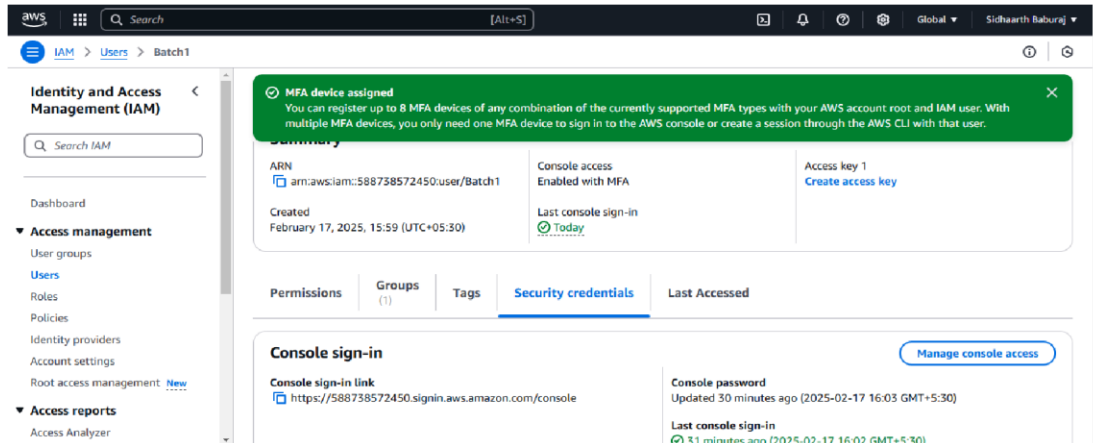
Wait 30 seconds, and enter a second code entry.

754832

Cancel Previous **Add MFA**

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Step 23: Here the MFA device is successfully assigned.



Step 24: Go back to the login page and enter the details required. The details can be obtained from the credential.csv file . Click on Sign-in.

IAM user sign in ⓘ

Account ID (12 digits) or account alias

IAM username

Password

☐ Show Password [Having trouble?](#)

Sign in

Sign in using root user email

[Create a new AWS account](#)

Step 25: Enter the MFA code and click on Sign-in.

Keeping you secure

Your account is protected with **multi-factor authentication (MFA)**.

To finish signing in, enter the code from your MFA device below.

MFA code

Sign in

Sign in to a different account

[Trouble signing in?](#)

Step 26: Here we have to create a new password for that enter the old password first and then the new one. Click on Confirm Password Change.

The screenshot shows the 'Password reset' form in the AWS IAM console. It contains the following fields and elements:

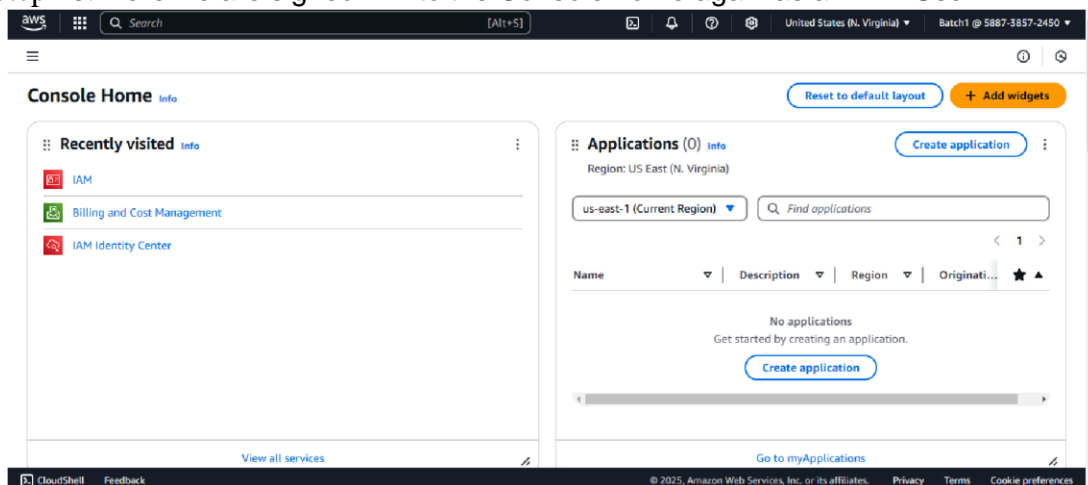
- Message:** 'Your account (588738572450) password has expired or requires a reset. To continue, please verify your old and set a new password for Batch1 (not you?).'
- Old Password:** A text input field containing 'Batch1@201'.
- Show Password:** A checkbox that is checked.
- New Password:** A text input field containing 'Batch1@001'.
- Confirm New Password:** A text input field containing 'Batch1@001'.
- Show Password:** A checkbox that is checked.
- Matches:** A green text label indicating the new and confirm passwords match.
- Confirm Password Change:** An orange button.
- Sign in to a different account:** A blue link.

Step 27: Here we can see that the password has been reset successfully. Click on continue to sign-in.

The screenshot shows the 'Password reset successful' confirmation page in the AWS IAM console. It contains the following elements:

- Success Message:** A green box with a checkmark icon and the text 'Password reset successful'.
- Section Header:** 'Password reset'.
- Message:** 'Your account (588738572450) password has been successfully reset and you will receive a confirmation email shortly.'
- Continue to sign in:** An orange button.
- Footer:** '© 2025 Amazon Web Services, Inc. or its affiliates. All rights reserved.'

Step 28: Here we are signed in into the Console home again as an IAM User.

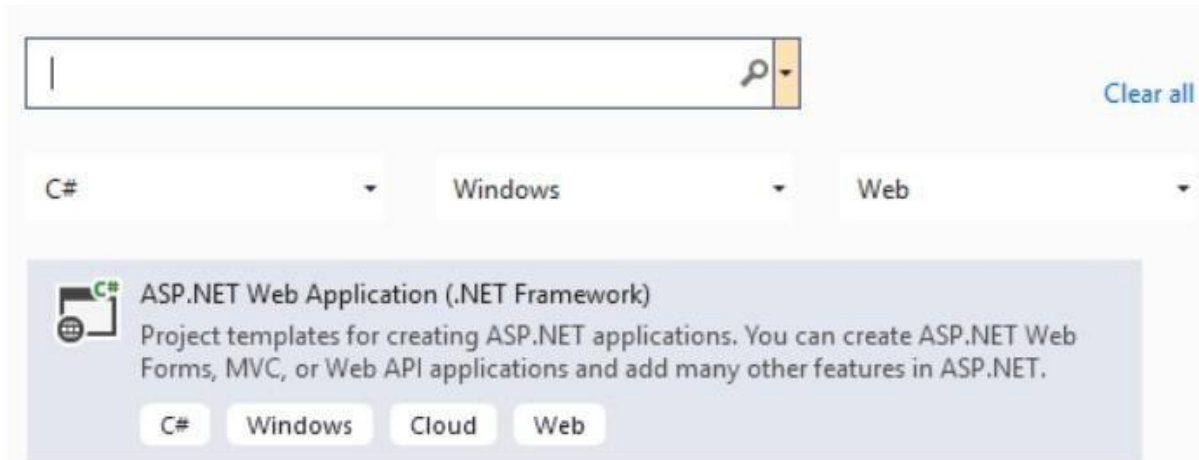


Date:-

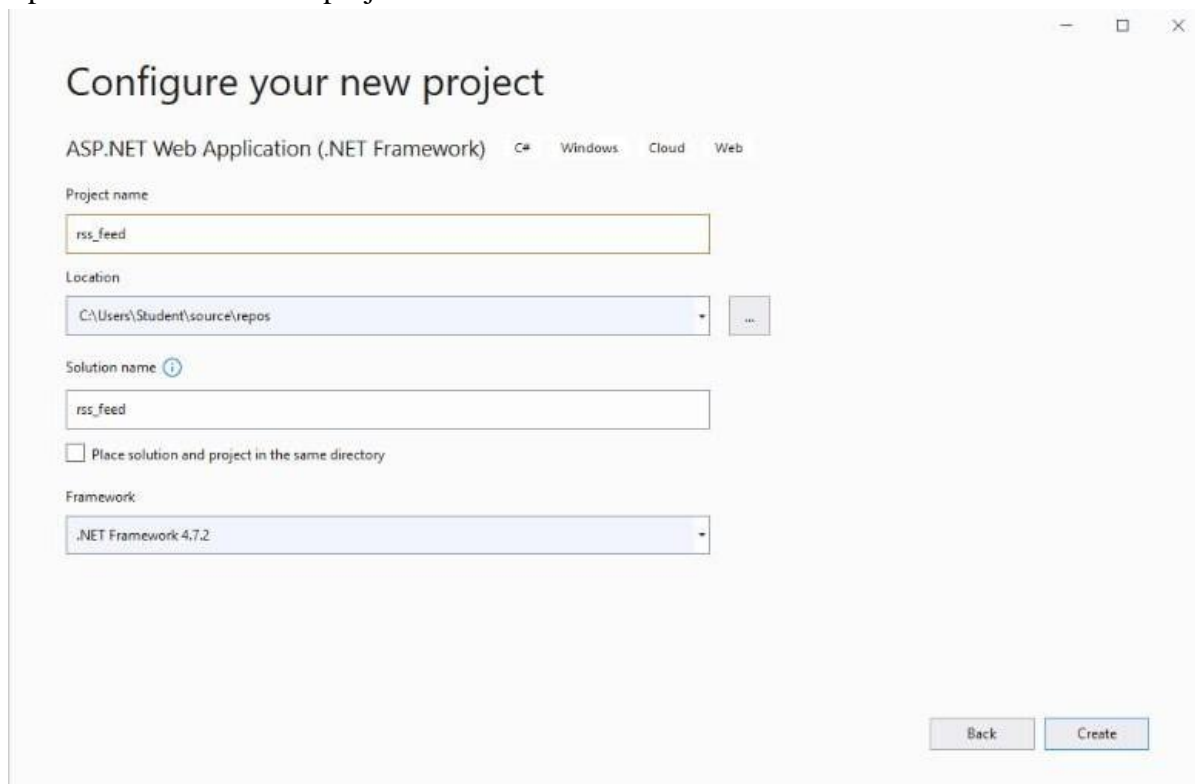
Practical 11

Aim : Write a program for the web feed.

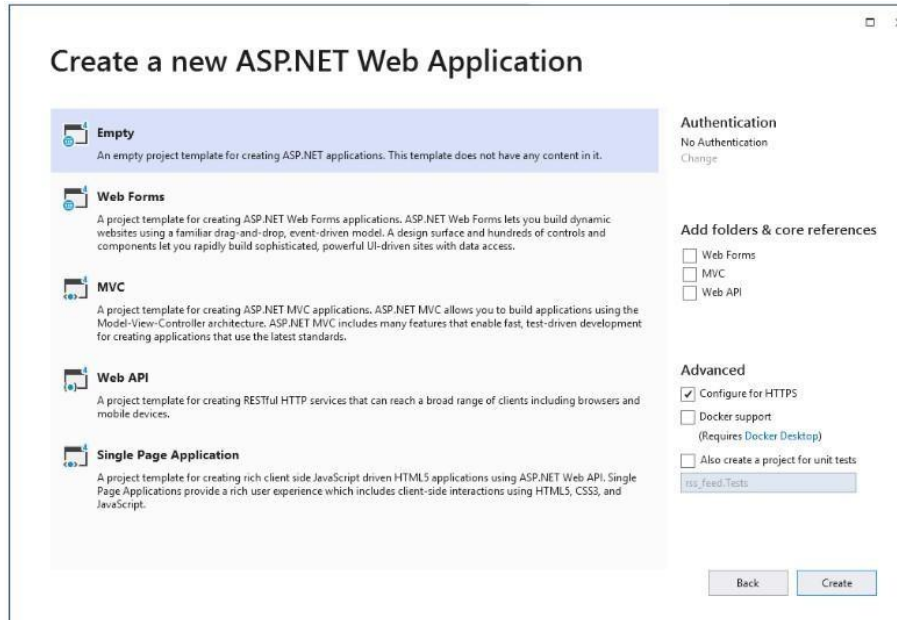
Step 1: Start Visual Studio → Create a new project → All Languages → C# → All Platform → Windows → All project types → Web → Select ASP.NET Web App.



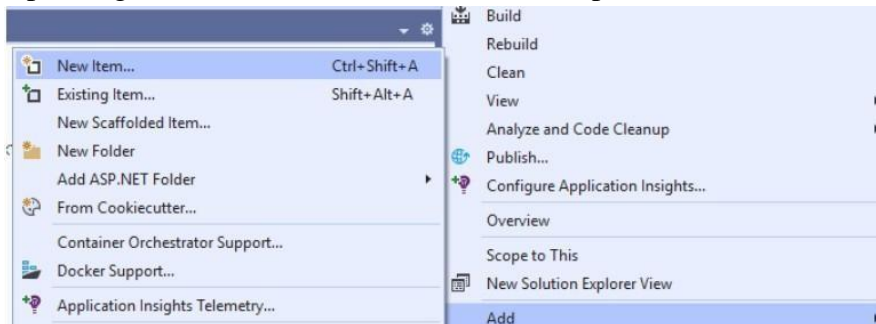
Step 2: Give name for the project as 'RSSFeed' → Click on Create.



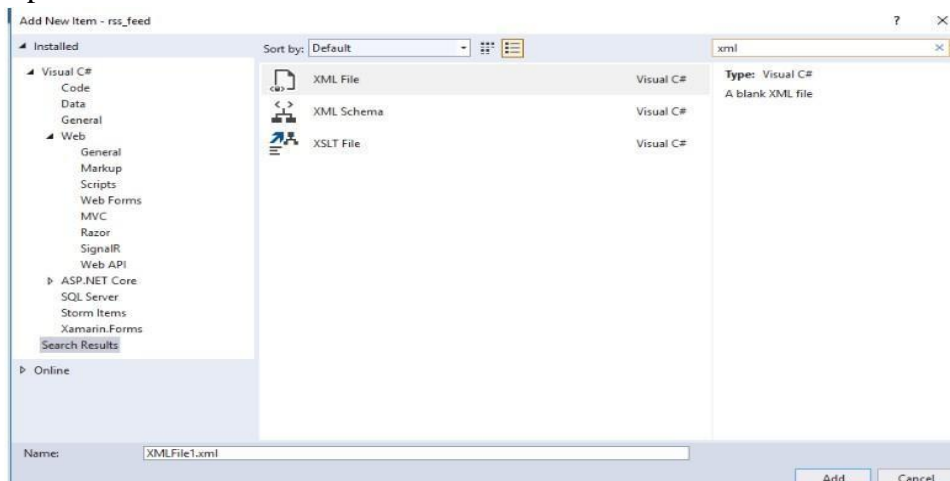
Step 3: Select 'Empty' → click on create.



Step 4: Right click on 'RSSFeed' in solution explorer → New Item → Add.

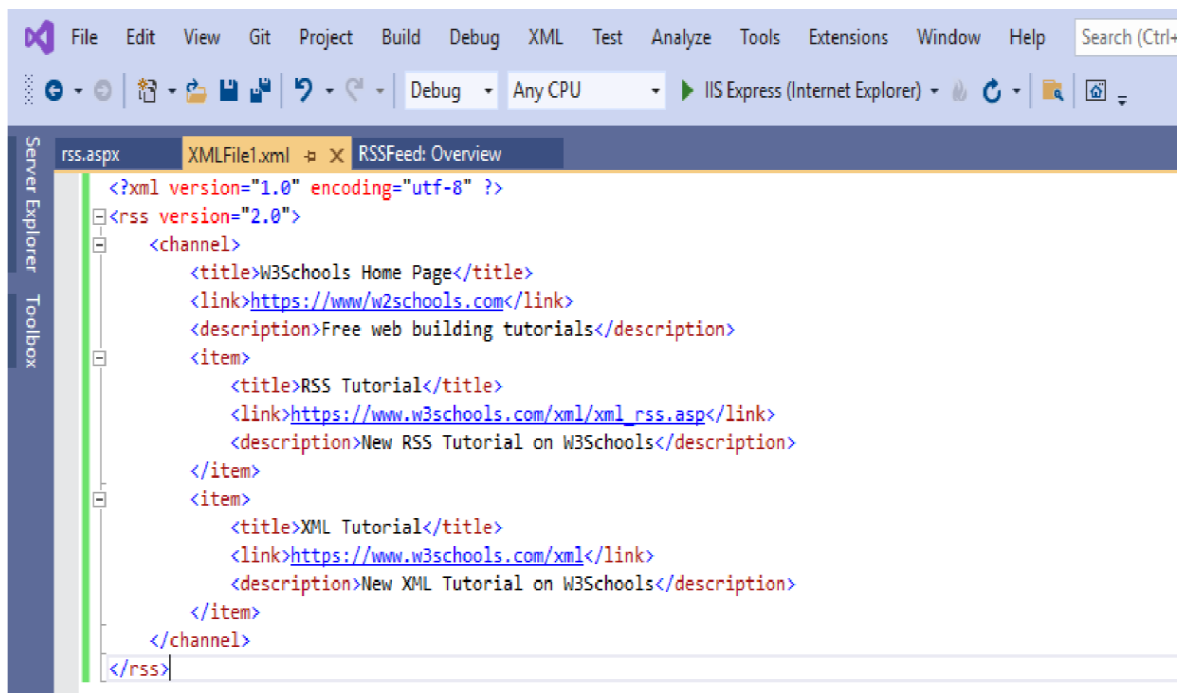


Step 5: Now search for 'XML' → select 'XML File'.

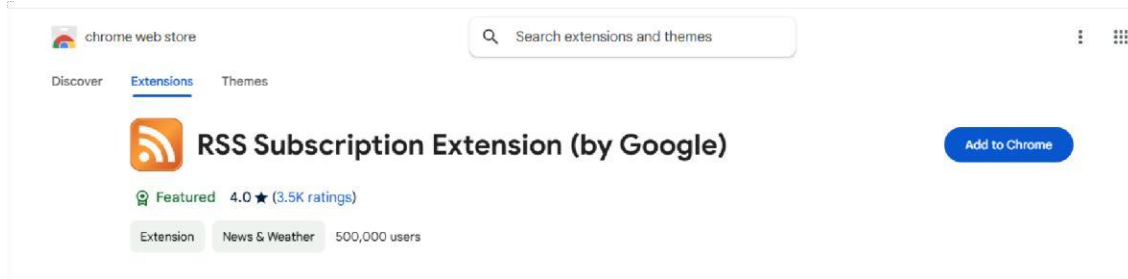


//XMLFile.xml

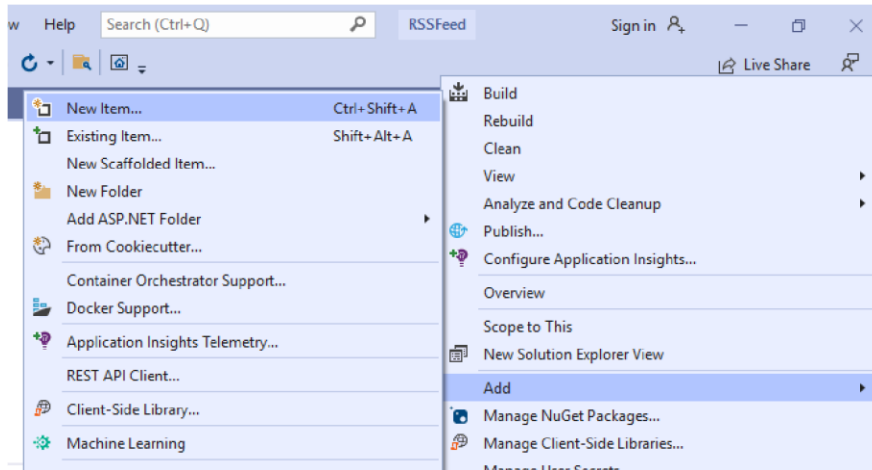
```
<?xml version="1.0" encoding="utf-8" ?>
<rss version="2.0">
  <channel>
    <title>W3Schools Home Page</title>
    <link>https://www.w2schools.com</link>
    <description>Free web building tutorials</description>
    <item>
      <title>RSS Tutorial</title>
      <link>https://www.w3schools.com/xml/xml_rss.asp</link>
      <description>New RSS Tutorial on W3Schools</description>
    </item>
    <item>
      <title>XML Tutorial</title>
      <link>https://www.w3schools.com/xml</link>
      <description>New XML Tutorial on W3Schools</description>
    </item>
  </channel>
</rss>
```



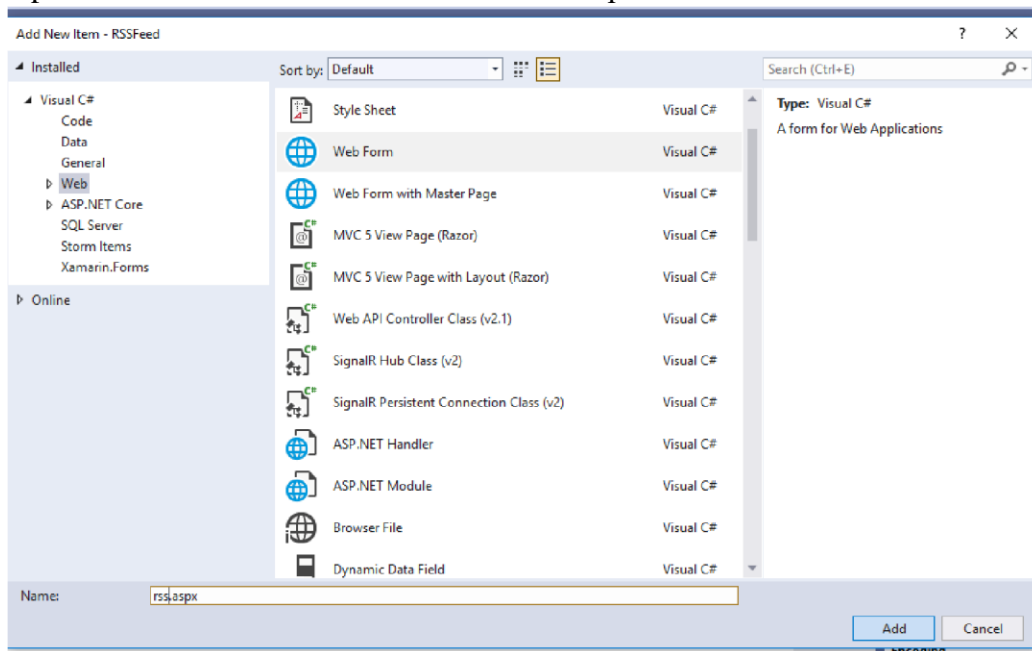
Step 6: Search for RSS Subscription Extension in google



Step 7: Right click on RSSFeed → New Item → Add.



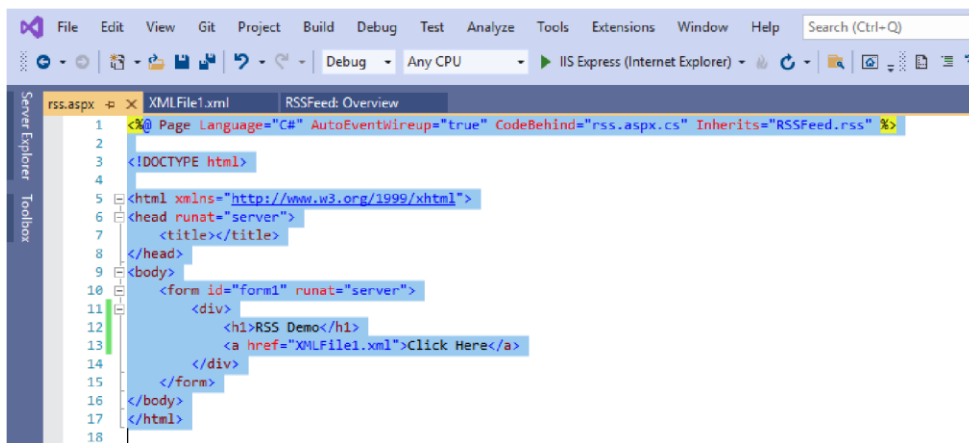
Step 8: Select 'Web Form' and name it as 'rss.aspx' and click on 'Add'.



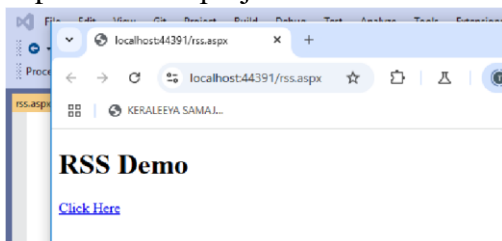
```
//rss.aspx
<% @ Page Language="C#" AutoEventWireup="true" CodeBehind="rss.aspx.cs"
Inherits="RSSFeed.rss" %>

<!DOCTYPE html>

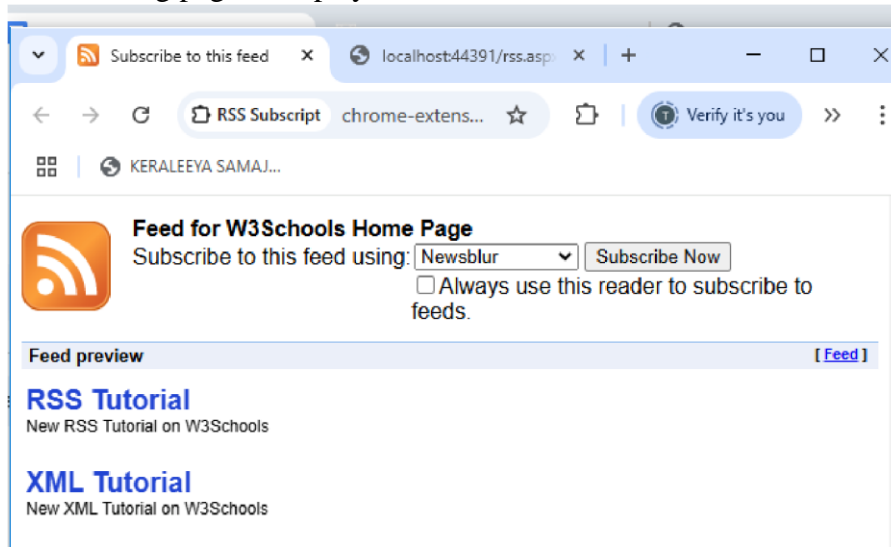
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title></title>
</head>
<body>
    <form id="form1" runat="server">
        <div>
            <h1>RSS Demo</h1>
            <a href="XMLFile1.xml">Click Here</a>
        </div>
    </form>
</body>
</html>
```



Step 9: Run the project → Click on 'Click Here'



The following page is displayed.

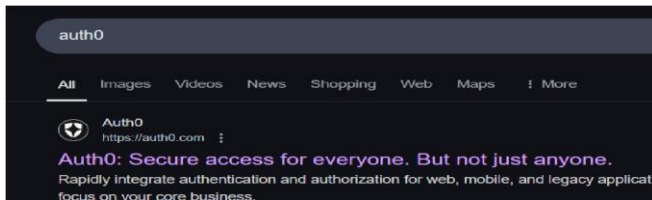


Date:-

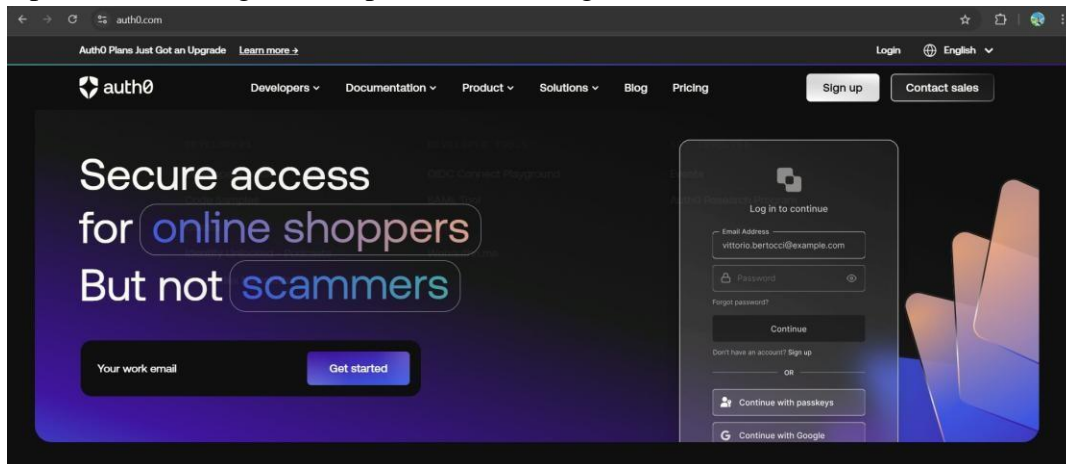
Practical 12

Aim: Study and implementation of Single-Sign-On.

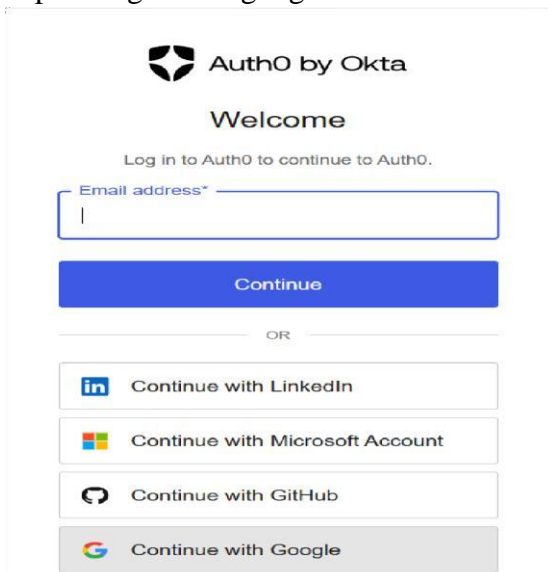
Step 1: Search auth0 in chrome.



Step 2: The AuthPage0 will open. Click on Login.




Step 3: Login with google account.



Step 4: Select account type as 'Other'. Click next.

Account Type
Are you creating this account for yourself or on behalf of a company?

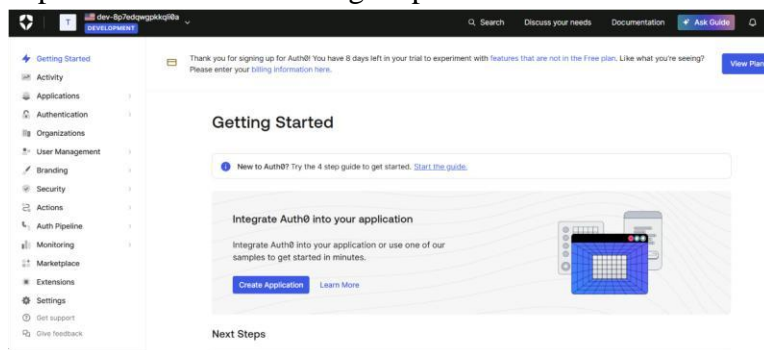
☒ Company ☐ Personal

☐ I need advanced settings 

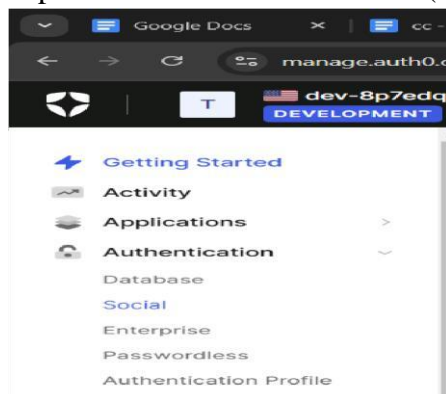
We've assigned your data region to the United States and given you a tenant name. Check this box if you need to process your data in a different region to comply with privacy laws.

NEXT

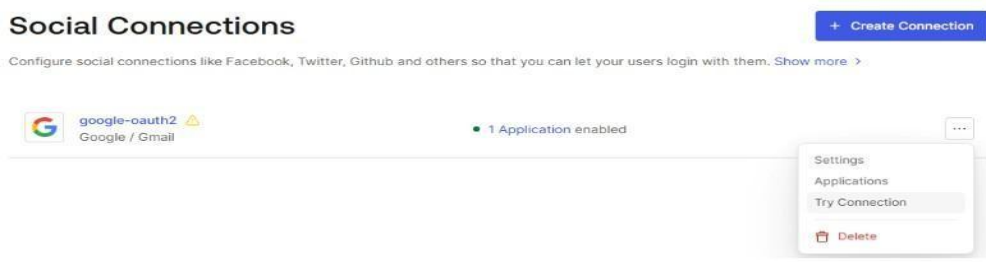
Step 5: The dashboard will get open.



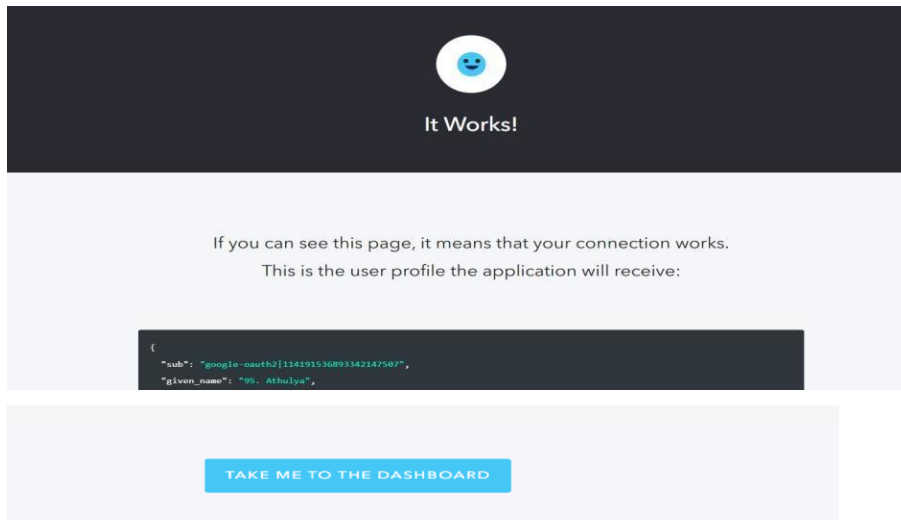
Step 6: Go to social connections. (Authentication → Social)



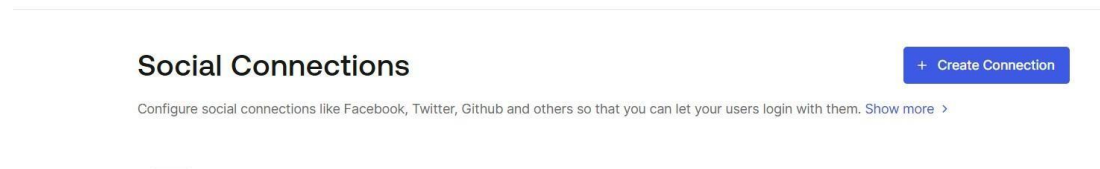
Step 7: Click on three dots on google- auth0.



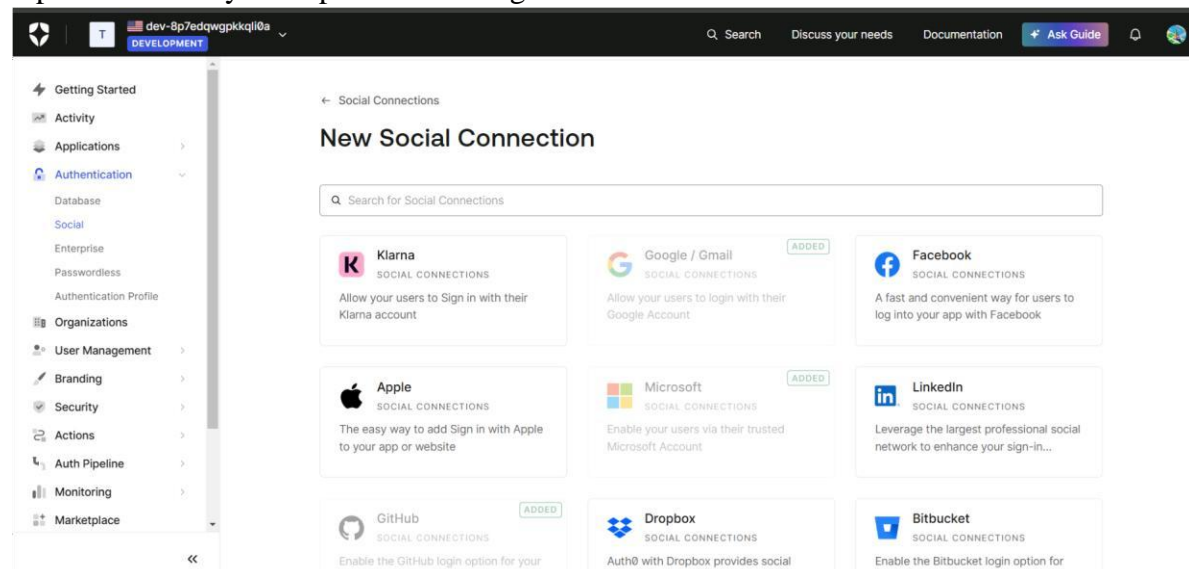
Step 8: The following page will be displayed showing “It works”. Now click on “Take me to the dashboard”.



Step 9: Click on create connection.




Step 10: Select any one option from the given social connections.



Step 11: Click on continue.

← Choose Social Connection

 **New GitHub Social Connection**

GitHub Social Connection by Auth0

GitHub will need access to:

Redirect users to login at GitHub

Receive and store user identities from GitHub

Update user root profiles with data from GitHub

Continue

Cancel

Step 12: Click on create.

☐ write:public_key ⓘ

☐ admin:public_key ⓘ

Advanced

Sync user profile attributes at each login

☒

Create

Step 13: Enable the default app option and click on 'Try Connection'. Give the required credentials and login to your account.

← Social Connections

 **github**
GitHub Identifier con_yQSuJpp1IgIudA0j

Try Connection

Setup Guide

Settings Applications

Applications using this connection.

Default App

Single Page Application

☒

The below screen will be displayed. Click on 'Authorize iam-login'.

