

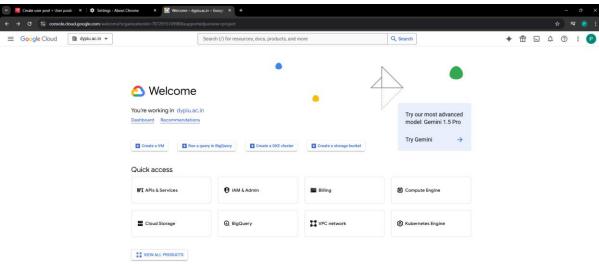
**Subject: Advanced Cloud Computing (P)** 

Name of the Student: Prakhar Anil Sharma PRN: 20220801121

Title of Practical: Creating a User Pool in AWS Cognito

Step-1]Generating Client ID and Client Secret ID through Google Cloud Console.

- Open Google cloud console in the browser.
- Sign in to the Google cloud console.
- Search for APIs & Services in the console and click on it.



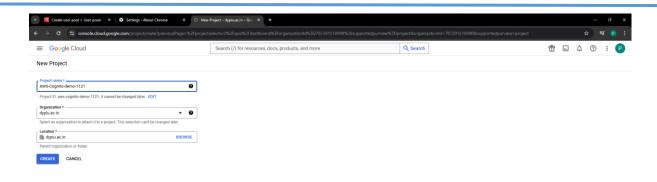
- Click on New Project.
- Give a Project name.
- Select Organization as dypiu.ac.in .
- Select Location as dypiu.ac.in .
- Click on create .

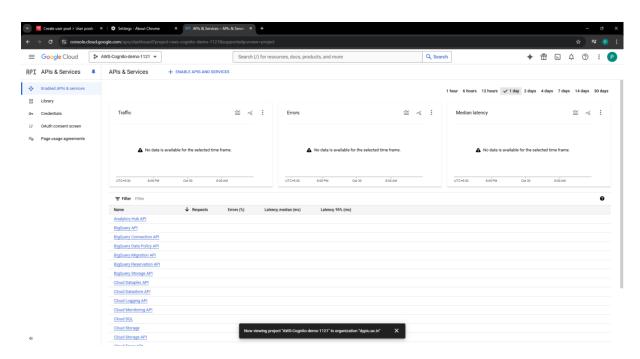


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- In the left panel, click on OAuth consent screen.

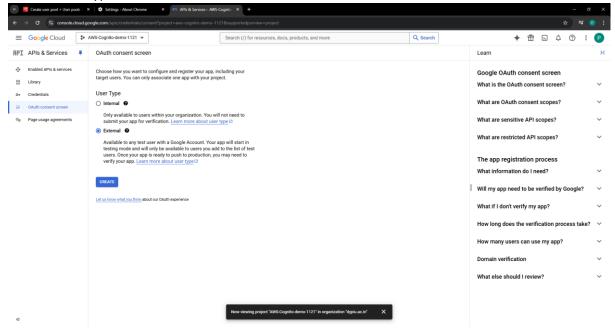


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- Select User Type as External ,click on create .



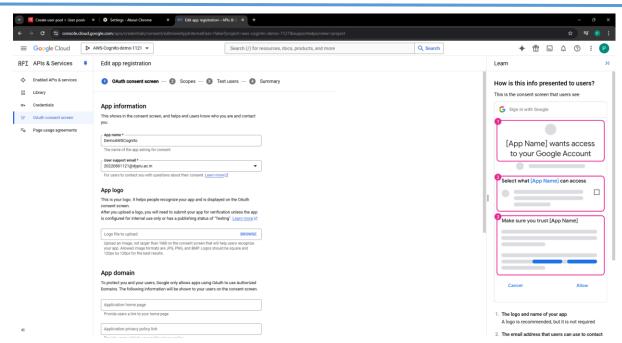
- Give app name as per choice.
- Select User Support email as per choice.
- Scroll Down.



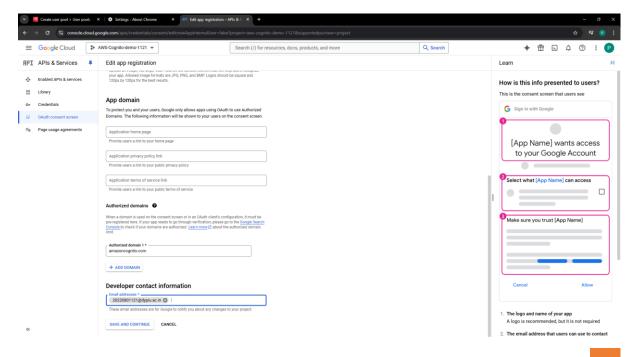
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- In Developer contact information, Select or enter the email as per choice.
- Click on Save and Continue.





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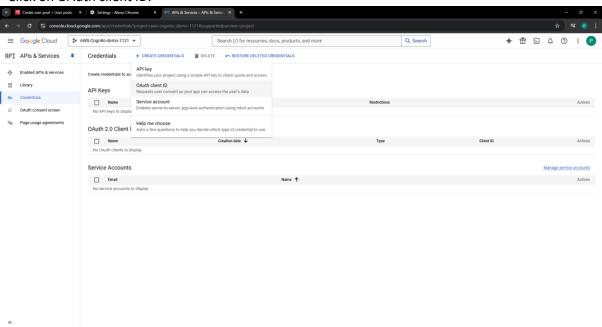
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- In the left panel, click on Credentials.

- Click on Create Credentials option at top.

- Click on OAuth client ID.



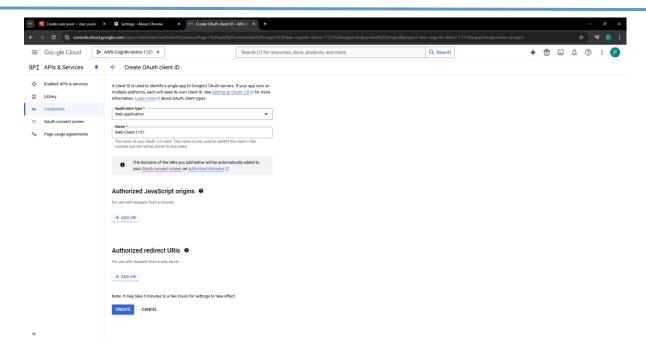
- Select Application Type as Web Application.
- Name it as per choice.
- Click Create.



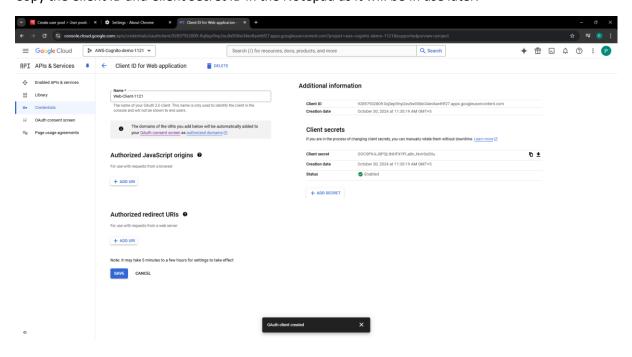
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Copy the Client ID and Client Secret ID in the Notepad as it will be in use later.





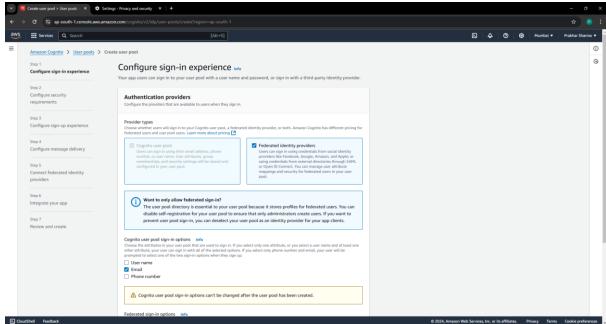
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Title of Practical: Creating a User Pool in AWS Cognito

Step-2] Creating User Pool in AWS Cognito.

- Sign in to AWS Management Console.
- Search for AWS Cognito in AWS management console.
- Click on Create User Pool.
- In Step 1, Select Federated identity providers in Provider Types.
- Select Email in Cognito user pool sign-in options.



- Select Google in Federated sign-in options.

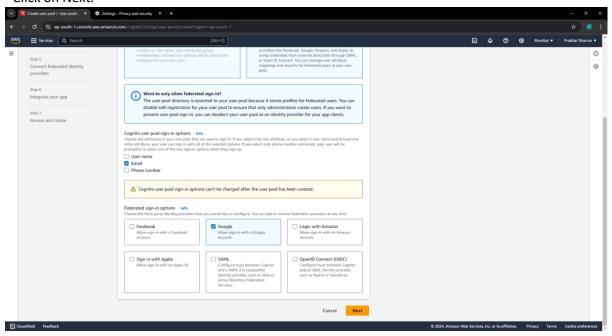


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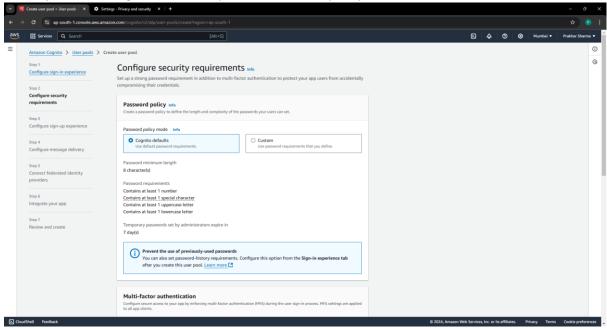
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Title of Practical: Creating a User Pool in AWS Cognito

- Click on Next.



- In Step 2, Select Cognito defaults option in Password policy mode.





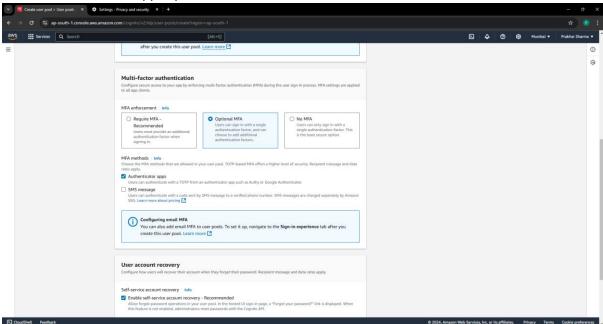
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- Select Optional MFA option in MFA enforcement.

- Select Authenticator apps option as MFA methods.



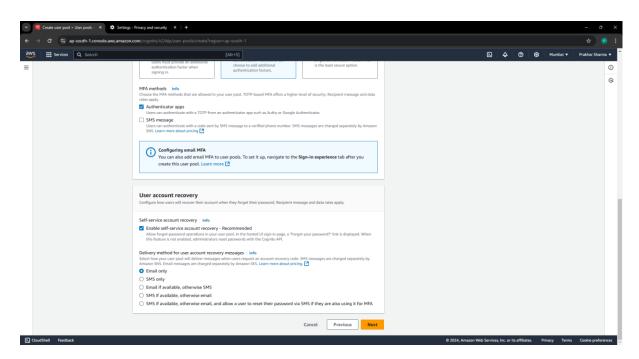
- Select Enable self-service account recovery option in Self service account recovery.
- Select Email only option in Default method for user account recovery message.
- Click on Next.



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- In Step 3, Select Enable self registration in Self registration.

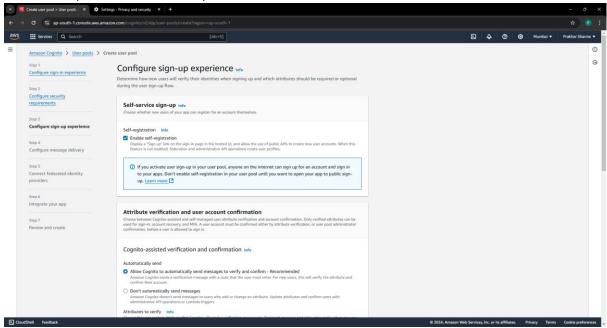


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- Select 1<sup>st</sup> option in Automatically send.



- Select 2<sup>nd</sup> option in Attributes to verify.
- Select the option in Verifying attribute changes .
- In Required attributes ,Select name as Additional required attributes.

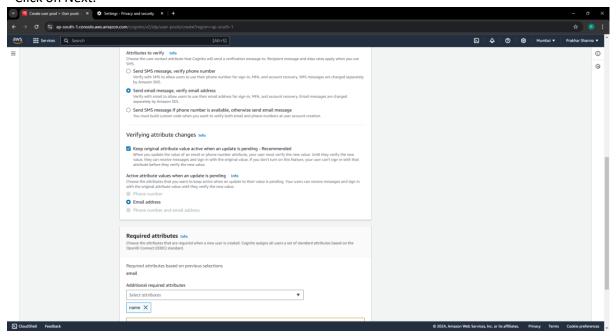


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- Click on Next.



- In Step 4, Select Send email with Cognito in email provider.

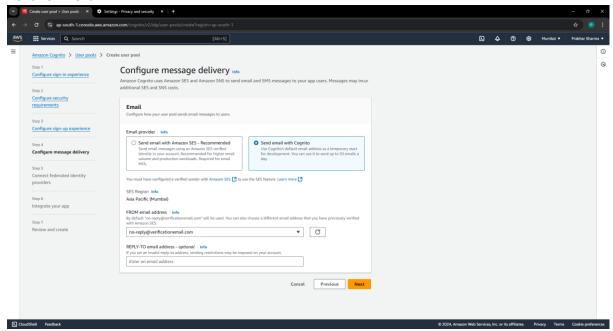


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- Click on Next.



- In Step 5, Enter the Client ID and Client Secret ID from the notepad or google cloud console.

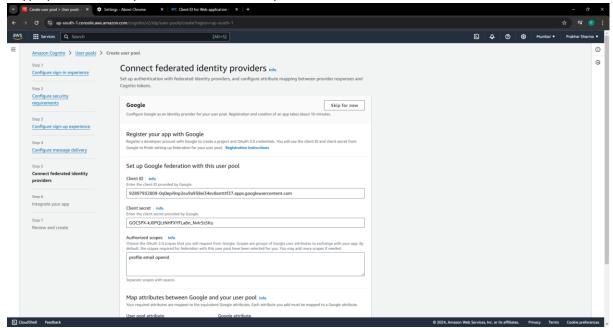


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Title of Practical: Creating a User Pool in AWS Cognito

- Type profile email openid in Authorized scopes.



- Select name and email in Map attributes between google and your user pool.

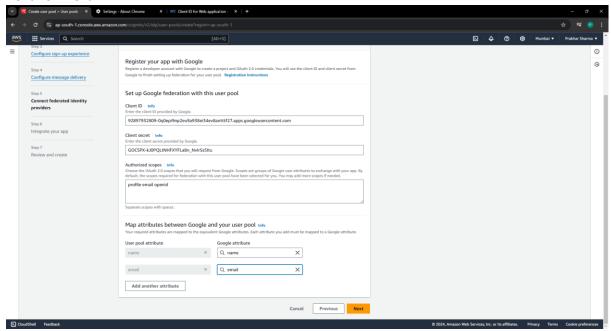


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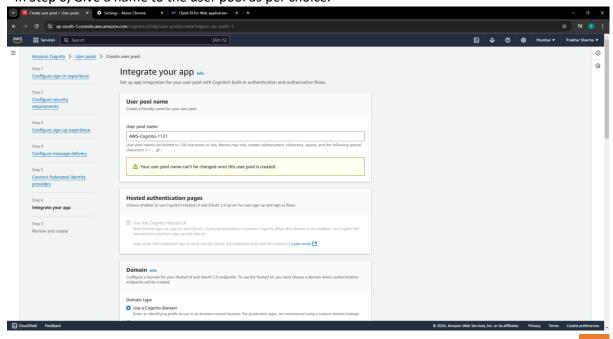
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- Click on Next.



- In Step 6, Give a name to the user pool as per choice.





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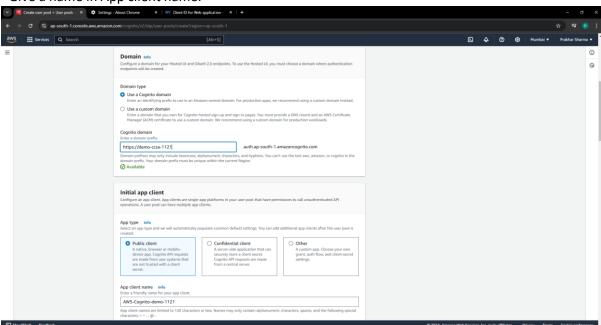
Title of Practical: Creating a User Pool in AWS Cognito

- Select 1<sup>st</sup> option under Domain type.

- Enter a domain prefix under Cognito domain which is available.

- Select 1<sup>st</sup> option under App type.

- Give a name in App client name.



- Select 2<sup>nd</sup> option under client secret.
- Enter google.com under Allowed callback URLs.
- Under Advanced app client settings, scroll down select Implicit grant under OAuth 2.0 grant types.

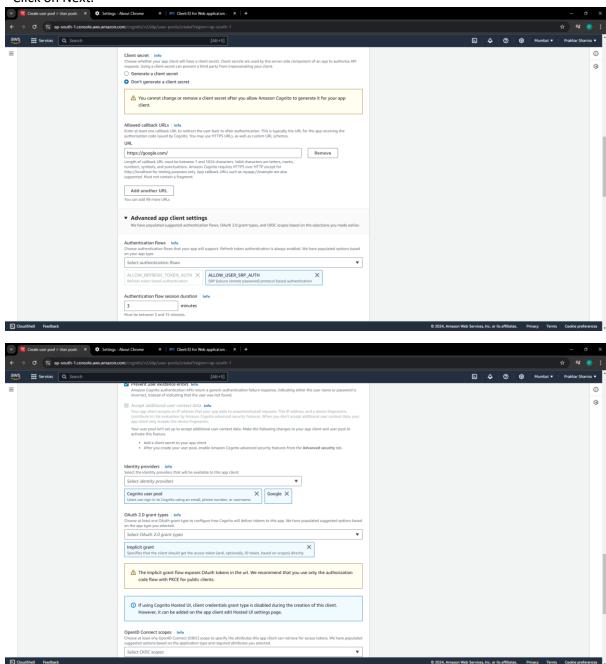


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- Click on Next.





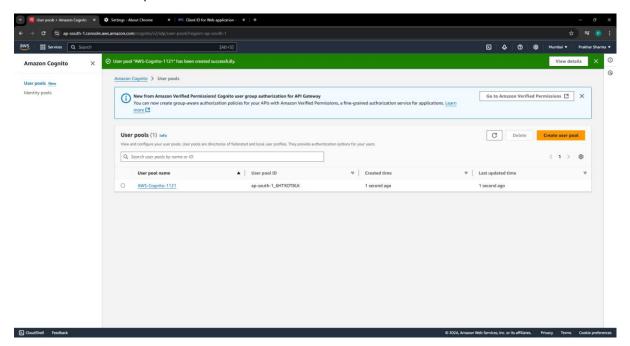
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- In Review setting steps, copy the domain from the Domain section.

- Click on Create user pool.



- Now go back to google cloud console, in APIs & Services, go to Credentials option and paste the copied domain by adding it by clicking on add URI under Authorized Javascript origins.
- Now in Authorized redirect URIs , again paste the copied domain by clicking on add URI but just add /oauth2/idpresponse/ at the end.

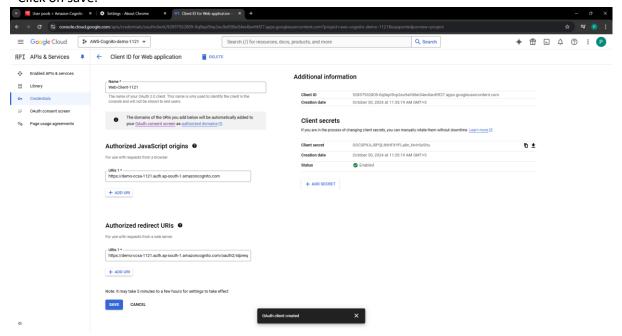


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- Click on save.



- Now get back to AWS Cognito ,Click on the user pool just created and search for Hosted UI section in the following tabs.

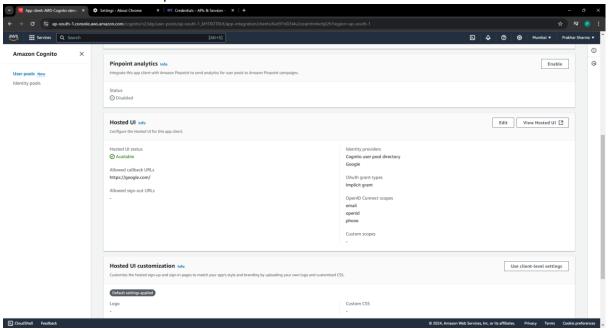


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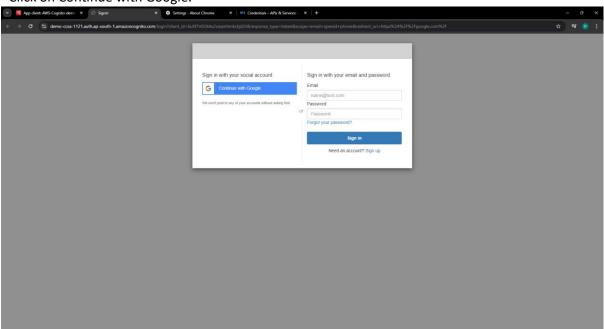
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- Click on View Hosted UI option.



- Click on Continue with Google.





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