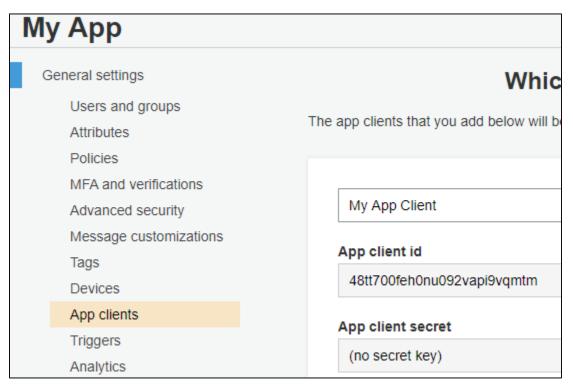
Alternate Approach - AWS SDK for JavaScript - https://www.npmjs.com/package/amazon-cognito-identity-js

Here, we are using AWS CLI command to create a new user. If you have any UI applications like Angular, then you can create a sign up page and using aws-sdk, you can register new user in the cognito user pool.

```
c:\Priyanka\AWS Serverless\lambda codes\cognito-cli>aws cognito-idp sign-up --client-
id 48tt700feh0nu092vapi9vqmtm --username priya --password password
{
    "UserConfirmed": false,
    "UserSub": "6b0ccc2b-5e98-418f-a528-a75737a5dd50"
}
```

Here --client-id is copied from AWS Cognito → App clients



User is created in the User pool, but not confirmed.

```
{
    "UserConfirmed": false,
    "UserSub": "6b0ccc2b-5e98-418f-a528-a75737a5dd50"
}
```

Here, we need to run a cli command to confirm the user by admin.

c:\Priyanka\AWS Serverless\lambda codes\cognito-cli>aws cognito-idp admin-confirm-sign-up --user-pool ap-south-1_9KjF4BuOW --username priya

Here, - -user-pool value is taken from AWS Cognito → General Settings.



Now the user is confirmed.

Next step, we need to sign-in the user or initiate the step to authenticate the user.

c:\Priyanka\AWS Serverless\lambda codes\cognito-cli>aws cognito-idp admin-initiateauth --generate-cli-skeleton

```
{
    "UserPoolId": "",
    "ClientId": "",
    "AuthFlow": "ADMIN_NO_SRP_AUTH",
    "AuthParameters": {
        "KeyName": ""
```

```
},
  "ClientMetadata": {
    "KeyName": ""
  },
  "AnalyticsMetadata": {
    "AnalyticsEndpointId": ""
  },
  "ContextData": {
    "IpAddress": "",
    "ServerName": "",
    "ServerPath": "",
    "HttpHeaders": [
      {
         "headerName": "",
        "headerValue": ""
      }
    ],
    "EncodedData": ""
  }
}
```

This command generates the json object. You need to copy this in a file. Example, cred.json and provide necessary details of the user.

cred.json

```
{
    "UserPoolId": "ap-south-1_9KjF4BuOW",
    "ClientId": "48tt700feh0nu092vapi9vqmtm",
    "AuthFlow": "ADMIN_USER_PASSWORD_AUTH",
    "AuthParameters": {
        "USERNAME": "priya",
```

```
"PASSWORD":"password"
}
```

For this to work, you need to select following option in AWS Cognito, **App Clients** settings.

My App Client
App client id
48tt700feh0nu092vapi9vqmtm
App client secret
(no secret key)
Refresh token expiration (days)
30
Auth Flows Configuration
☑ Enable username password auth for admin APIs for authentication (ALLOW_ADMIN_USER_PASSWORD_AUTH) Learn more.
Enable lambda trigger based custom authentication (ALLOW_CUSTOM_AUTH) Learn more.
Enable username password based authentication (ALLOW_USER_PASSWORD_AUTH) Learn more.
Enable SRP (secure remote password) protocol based authentication (ALLOW_USER_SRP_AUTH) Learn more.
■ Enable refresh token based authentication (ALLOW_REFRESH_TOKEN_AUTH) Learn more.

Once cred. json is created, you need to run sign in command using admin-initiate-auth.

"AccessToken":

```
c:\Priyanka\AWS Serverless\lambda codes\cognito-cli>aws cognito-idp admin-initiate-
auth --cli-input-json file://cred.json
{
    "ChallengeParameters": {},
    "AuthenticationResult": {
```

"eyJraWQiOil2Y0RxM3BQQlwvMlwvNzdVQWZobHJGdnc0bjhPb2dcL1dxSk1EUytISEVIbVM0PSIsImFsZyI6I IJTMjU2In0.eyJzdWIiOil2YjBjY2MyYi01ZTk4LTQxOGYtYTUyOC1hNzU3MzdhNWRkNTAiLCJIdmVudF9pZCI 6ImI1NmI5OGE5LTEwMDMtNGZhMy1iZTMyLWMyZmRjNWFlOTFINiIsInRva2VuX3VzZSI6ImFjY2VzcyIsIn Njb3BlIjoiYXdzLmNvZ25pdG8uc2InbmluLnVzZXIuYWRtaW4iLCJhdXRoX3RpbWUiOjE1OTA0MjYxMjIsImIzc yI6Imh0dHBzOlwvXC9jb2duaXRvLWlkcC5hcC1zb3V0aC0xLmFtYXpvbmF3cy5jb21cL2FwLXNvdXRoLTFfOU tqRjRCdU9XIiwiZXhwIjoxNTkwNDI5NzIyLCJpYXQiOjE1OTA0MjYxMjIsImp0aSI6ImJhOWZhYzI0LWU1OWEt NDNmYi1hNGNiLTI2NzIIOTZIZDYxNyIsImNsaWVudF9pZCI6IjQ4dHQ3MDBmZWgwbnUwOTJ2YXBpOXZxb XRtliwidXNlcm5hbWUiOiJwcml5YSJ9.eb73I 7ypr-zyWX7ahQNZOsNzgDkc 1bpza1-7mXUK-

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 $\label{thm:constraint} dDRXo0axlAFoYOctKeSsttm_QhaY7Xg8EkiG1eOZfzpWDnRKQOHIMplzHtwZmp76cdUYVGkf8K8Gl8duaSm61A6WQmbVX5QoNbls2qfwW6cUV4CLPE-KcH_PoC9wfNA698Jrt3G_flFBqlYlKVLZ7T2C0y-EosV-VdWwsjShusv4WUAeV6c9tJYH_zExkr4BO7bjg8V7EO2felg7AW0zn7oaHL1cxeUfaQOvkS1giJSrHcJJk7Mrulo5Sb2B94goAt0ztFMcLbceli6lso8wRK31fkduy6fGQEfDR7Wel0Wa0P0bQ0OxhSC0flXB9m42DzmTew9AHp9D5CXjFQ"$

```
}
```