OAuth 2.0 Contract Details:

|  |  |
| --- | --- |
| GrantType | Authorization code |
| redirect URL/Callback URL | https://rahulshettyacademy.com/getCourse.php |
| Authorization server url | https://accounts.google.com/o/oauth2/v2/auth |
| Access token url | https://www.googleapis.com/oauth2/v4/token |
| Client ID | 692183103107-p0m7ent2hk7suguv4vq22hjcfhcr43pj.apps.googleusercontent.com |
| Client Secret | erZOWM9g3UtwNRj340YYaK\_W |
| Scope | https://www.googleapis.com/auth/userinfo.email |
| State | Any random string |
| How to pass oauth in request | Headers |

Mandatory fields for GetAuthorization Code Request ;

**End Point** : Authorization server url  
**Query Params**:Scope, Auth\_url, client\_id, response\_type, redirect\_uri  
  
output : Code

Mandatory fields for GetAccessToken Request :  
**End point** : Access token url

**Query Params** :Code, client\_id, client\_secret, redirect\_uri, grant\_type

This operation should be performed on browser

Output : Access token

package demo;

import static io.restassured.RestAssured.given;

import java.util.ArrayList;

import java.util.Arrays;

import java.util.List;

import org.openqa.selenium.By;

import org.openqa.selenium.Keys;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.chrome.ChromeDriver;

import io.restassured.parsing.Parser;

import io.restassured.path.json.JsonPath;

import io.restassured.response.Response;

import io.restassured.response.ResponseBody;

import pojo.Api;

import pojo.GetCourse;

public class test1 {

public static void main(String[] args) throws InterruptedException {

// TODO Auto-generated method stub

String url ="https://rahulshettyacademy.com/getCourse.php?state=verifyfjdss&code=4%2FvAHBQUZU6o4WJ719NrGBzSELBFVBI9XbxvOtYpmYpeV47bFVExkaxWaF\_XR14PHtTZf7ILSEeamywJKwo\_BYs9M&scope=email+https%3A%2F%2Fwww.googleapis.com%2Fauth%2Fuserinfo.email+openid&authuser=0&session\_state=0c32992f0d47e93d273922018ade42d1072b9d1f..a35c&prompt=none#";

String partialcode=url.split("code=")[1];

String code=partialcode.split("&scope")[0];

System.out.println(code);

String response =

                given()

                .urlEncodingEnabled(false)

                       .queryParams("code",code)

                   .queryParams("client\_id", "692183103107-p0m7ent2hk7suguv4vq22hjcfhcr43pj.apps.googleusercontent.com")

                        .queryParams("client\_secret", "erZOWM9g3UtwNRj340YYaK\_W")

                        .queryParams("grant\_type", "authorization\_code")

                        .queryParams("state", "verifyfjdss")

                        .queryParams("session\_state", "ff4a89d1f7011eb34eef8cf02ce4353316d9744b..7eb8")

                     // .queryParam("scope", "email+openid+https%3A%2F%2Fwww.googleapis.com%2Fauth%2Fuserinfo.email")

                        .queryParams("redirect\_uri", "https://rahulshettyacademy.com/getCourse.php")

                        .when().log().all()

                        .post("https://www.googleapis.com/oauth2/v4/token").asString();

// System.out.println(response);

JsonPath jsonPath = new JsonPath(response);

    String accessToken = jsonPath.getString("access\_token");

    System.out.println(accessToken);

String r2=    given().contentType("application/json").

queryParams("access\_token", accessToken).expect().defaultParser(Parser.JSON)

.when()

           .get("https://rahulshettyacademy.com/getCourse.php")

.asString();

System.out.println(r2);

}

}

Enter the url(copied from postman-Explore-Getcode) in browser and sign in

<https://accounts.google.com/o/oauth2/v2/auth?scope=https://www.googleapis.com/auth/userinfo.email&auth_url=https://accounts.google.com/o/oauth2/v2/auth&client_id=692183103107-p0m7ent2hk7suguv4vq22hjcfhcr43pj.apps.googleusercontent.com&response_type=code&redirect_uri=https://rahulshettyacademy.com/getCourse.php>

Got this from browser after signed in:

<https://rahulshettyacademy.com/getCourse.php?code=4%2F0AY0e-g5ssqGrWJwX_6OkjncWfl2h8igfoZcwXu_LeMrLhrUReXZVoR5Nb6gFO8iVeymxGw&scope=email+https%3A%2F%2Fwww.googleapis.com%2Fauth%2Fuserinfo.email+openid&authuser=3&prompt=consent#>

copied the needed token from the above;

4%2F0AY0e-g5ssqGrWJwX\_6OkjncWfl2h8igfoZcwXu\_LeMrLhrUReXZVoR5Nb6gFO8iVeymxGw