```
Aim: To perform the demonstrate OAuth authorization in REST API using REST assured.
CODE:
package restAssurescripts;
import org.testng.Assert;
import org.testng.annotations.Test;
import io.restassured.RestAssured;
import io.restassured.response.Response;
public class Script009PayPalOauth2 {
       String accessToken;
       @Test(priority='1')
       public void GetAccessToekn()
String clientID = "AZ5SJTYFDG7mkWlS9cR3Ld-4ZlSSFZXVwl7OqoIEHsjm-
KVFqQgb5tp0_oRPt9gmNWile3JO0b7Zf9tn";
String clinetsecret = "EAM1k_e0XIVyvHK6_80SaZhA-yvXYD70f6-49f-I6C8EePtaytw66yYuZSjbbGe-
U4M-4hZ8gG2y2EXT";
       Response res = RestAssured.given()
                .baseUri("https://api-m.sandbox.paypal.com")
                .basePath("/v1/oauth2/token")
                .auth().preemptive().basic(clientID, clinetsecret)
```

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.param("grant_type", "client_credentials")
         .when().post();
Assert.assertEquals(res.statusCode(), 200);
accessToken = res.getBody().path("access_token");
System.out.println(accessToken);
}
@Test(priority='2')
public void paypalTestAPI()
Response res = RestAssured.given()
        .baseUri("https://api-m.sandbox.paypal.com")
        .basePath("/v1/invoicing/invoices")
        .queryParam("page", "3")
        .queryParam("page_size", "4")
        .queryParam("total_count_required", true)
        .auth().oauth2(accessToken)
        .when().get();
res.prettyPrint();
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}
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OUTPUTS:

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10 public class Script009PayPalOauth2 {
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12 String accessToken;

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    GetAccessTo
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    Script001SetupCheck.java
    Script002GetMethod.java

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140 @Test(priority='1')
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15 public void GetAccessTockn()
16 {
17 String clientID = "AZSSJTYFDG7mkilS9cR3Ld-421SSFZXXwI7OqoIEHsjm-KVFqQgb5tp0_cRPt9gmMiIe3300b7Zf9tn";
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.basePath("/v1/outh/2/token")
.auth().pneemptive().basic(clientID, clinetsecret)
.param("grant_type", "client_credentials")
.when().post();

■ JRE System Library [JavaSE-1.7]
■ Maven Dependencies
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> per src
per target
> per test-output
per pom.xml

per JDBC-DEmo
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    Script004Payload/SON,java
    Script005Payload/SMLjava
    Script005PostManAPIKey,java
    Script007HamcrestValidateMethods,
    Script008GithubBREARERToken,java
    Script009PayPalOauth2java

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"links": [
                       "rel": "self",
"href': "https://api.sandbox.paypal.com/v1/invoicing/invoices?page=3&page_size=4&total_count_required-true",
"method': "Get."
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  Javadoc 
  Declaration 
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語 GetAccessToekn (5.191 s)
語 paypalTestAPI (0.59 s)
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M JRE System Library (JavaSE-1.7)
         > > TestNG
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