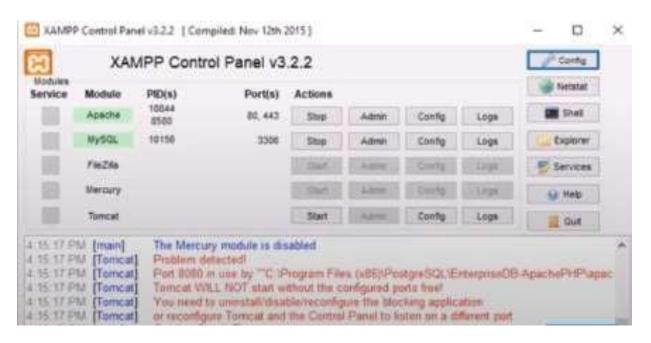
Software Security Assignment 2

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MS21910272-D.L.C.Kalpana

Step 1-You need to start xampp (Apache and MySQL)



Step 2- View through the bowser.

Index of /

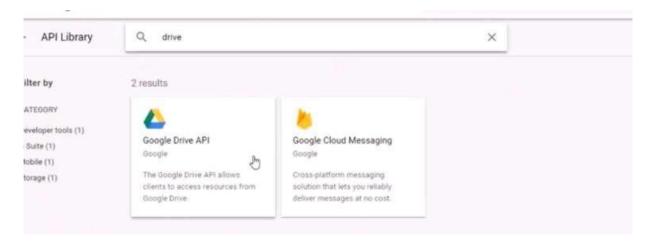
Name	Last modified	Size Description
boom.	2017-11-22 12:38	45
2Education	2017-11-21 12:58	95
googledgive.	2017-11-24 16:15	\$2
pos D	2017-11-13 09:44	2
pos1/	2017-11-21 12:53	¥:

Apache (2.4.17 (Win32) OpenSSL/1.0.2d PHP/5.6.21 Server at localhost Part 80

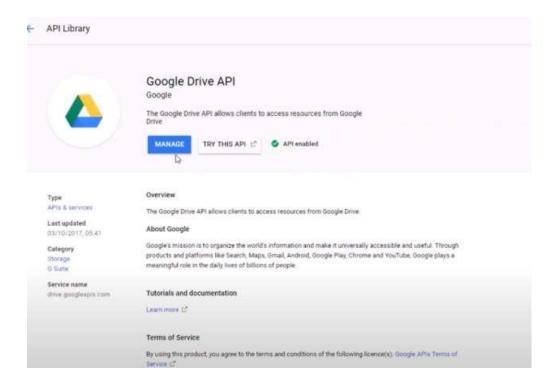
Step 3-As we are using Google Drive API Console search it in the browser. we are trying to upload a file to the google drive.



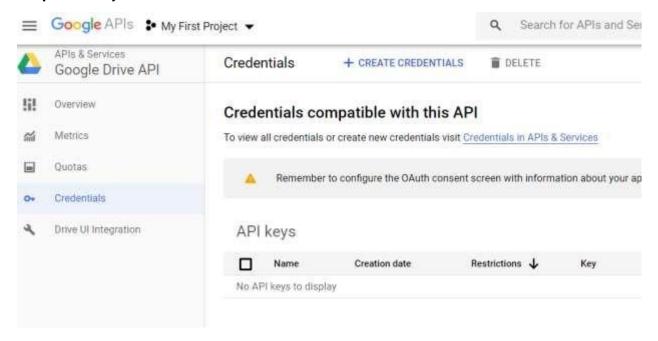
Step 4-Search the Drive from Google API'S



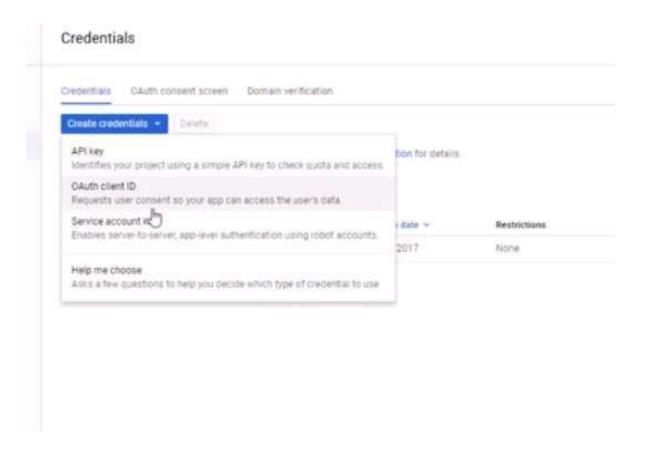
Step 5-After finding it we have to enable the Google Drive API.



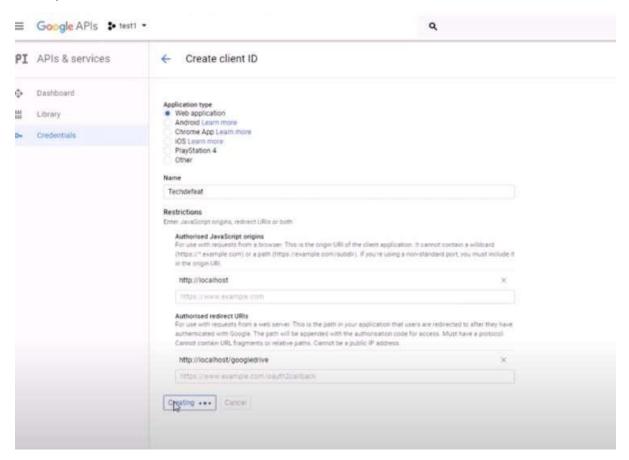
Step 6-Then you have to create credentials



Step 7-Under create credentials you have to select OAuth Client



Step 8-As this is a web application You have to select Application type and give it a name, then the domain name and the URL name.



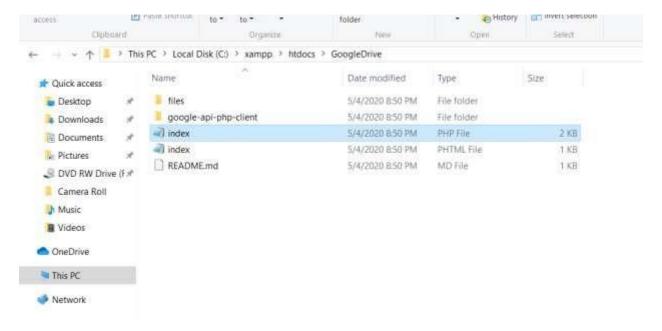
Step 9-Then you will get API Client and Secret



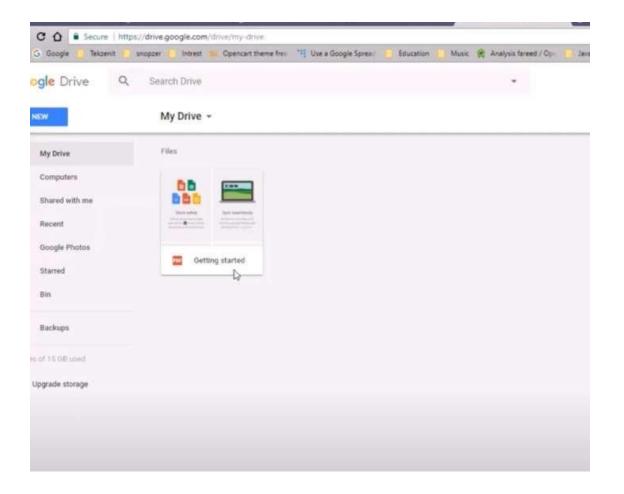
Step 10-Then go to your PHP file and paste your ClientID and ClientSecret here.

```
C:\xampp\htdocs\GoogleDrive\index.php - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
🕞 🖆 🔛 📭 🕞 🧓 🤌 🚜 📭 🖺 | 😅 🖒 | 🗗 🗈 🖒 🕒 🗀 🕒 🛍 🐚 🖍 🕒 🖎 🕞 🕒 🕦 🔀 🖼 🔊 🗷 🗀 💮 🕒
🔚 change.log 🗵 📙 index.php 🔀
     ₽<?php
       session start();
       $url array = explode('?', 'http://'.$ SERVER ['HTTP HOST'].$ SERVER['REQUEST URI']);
  4
       $url = $url array[0];
      require_once 'google-api-php-client/src/Google Client.php';
  6
      require once 'google-api-php-client/src/contrib/Google_DriveService.php';
      $client = new Google Client();
  9
      $client->setClientId('Place your ClientId Here');
 10    $client->setClientSecret('Place your ClientSecret here');
      $client->setRedirectUri($url);
      $client->setScopes(array('https://www.googleapis.com/auth/drive'));
 12
 13 | if (isset($ GET['code'])) {
           $ SESSION['accessToken'] = $client->authenticate($ GET['code']);
 15
           header('location:'.$url);exit;
 16
       } elseif (!isset($ SESSION['accessToken'])) {
 17
           $client->authenticate();
 18
 19
      $files= array();
 20
      $dir = dir('files');
 21 while ($file = $dir->read()) {
           if ($file != '.' && $file != '..') {
 22
               $files[] = $file;
 23
 24
 25
 26
      $dir->close();
 27 | if (!empty($_POST)) {
 28
           $client->setAccessToken($ SESSION['accessToken']);
           $service = new Google DriveService($client);
 30
           $finfo = finfo open(FILEINFO MIME TYPE);
           $file = new Google_DriveFile();
 31
 32
           foreach ($files as $file name) {
 33
               $file path = 'files/'.$file name;
               $mime_type = finfo_file($finfo, $file path);
 34
 35
               $file->setTitle($file name);
 36
               $file->setDescription('This is a '.$mime_type.' document');
 37
               $file->setMimeType($mime_type);
 38
               $service->files->insert(
 39
                   $file,
 40
                   array (
 41
                       'data' => file_get_contents($file path),
 42
                       'mimeType' => $mime type
 43
```

Step 11-The file path of our folder (C/xampp/htdocs/GoogleDrive)



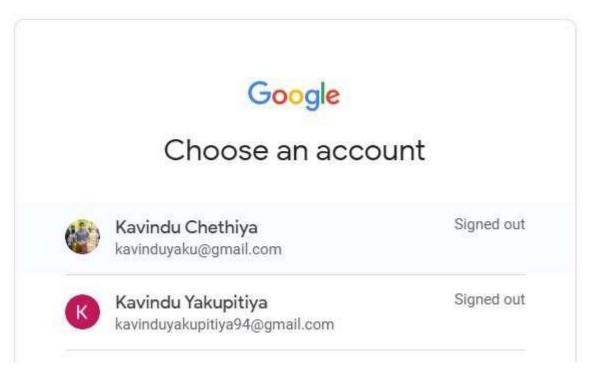
Step 12-View of my Google Drive as We created this google account newly



Step 13-View through the browser after creating the folder.



Step 14-Then you have to log in from your specific google account in order to get the details.



Step 15-In here I have added a hardcode upload button to upload a file to the google drive.



Step 16-And fill all the regiured details in your index PHP code.

```
C\xampp\htdocs\GoogleDrive\index.php - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
elsenge log 🖸 📄 index.php 🖸 📑 index.phlml 🔞
  I E<?php
      session start();
      $url_array = explode('2', 'http://'.$_SERVER ['HTTP_HOST'].$_SERVER['REQUEST_URI']);
  3
      Surl = Surl array[0];
      require once 'google-api-php-client/src/Google Client.php';
  6
      require once 100
  22
      Sclient = new Google Client();
      Sclient->setClientId('Place your ClientId Here'):
      Sclient->setClientSecret('Place your ClientSecret here');
 12
      $client->setRedirectUri($url);
 12
      $client->setScopes(array('https://www.googleapis.com/auth/drive'));
 13 Gif (isset($ GET['code'])) (
          $ SESSION['accessToken'] = Sclient->authenticate($ GET['code']);
 14
 15
          header('location:'.$url);exit;
      } elseif (!isset($ SESSION['accessToken'])) {
 1.0
 17
          $client->authenticate();
 18
      Sfiles= array();
 19
      Sdir = dir('files');
     (while ($file = $dir->read()) {
        if ($file != '.' && $file != '..') {
 22 🖨
             $files[] = $file:
```

Step 17-Set ClientID and ClientSecret which you generated though your Google Drive API settings.

```
$client = new Google_Client();
$client->setClientId('130871042163-ffntfjad9d419bks89m78pgls584tvc8.apps.googleusercontent.com');
$client->setClientSecret('tlajFTiTfw9ZNH01dR0Dmvlb');
$client->setRedirectUri($url);
```

Step 18-Process of setting scope.

```
$client->setScopes(array('https://www.googleapis.com/suth/drive'));
```

Step 19-Process of adding access token to the session.

```
if (isset($_GET('code'))) {
    $_SESSION['accessToken'] = $client->authenticate($_GET['code']);
    header('location:'.$url)'exit;
} elseif (!isset($_SESSION['accessToken'])) {
    $client->authenticate();
```

Step 20-Adding all the fileinfo to the Session according to requirment.

```
Sdir->close();
if (!empty($_POST)) (
    $client->setAccessToken($ SESSION['accessToken']);
    Sservice = new Google DriveService(Sclient);
  $finfo = finfo open (FILEINFO MIME TYPE);
    Sfile = new Google DriveFile();
    foreach (Sfiles as Sfile name) (
       $file_path = 'files/'.$file_name;
       Smime_type = finfo file(Sfinfo, Sfile path);
       $file->setTitle($file name);
       Sfile->setDescription('This is a '.Smime type.' document');
       Sfile->setMimeType(Smime type);
        Sservice->files->insert(
            Sfile,
            array (
                'data' => file get contents($file path),
                'mimeType' => $mime type
```

Step 21-After that this will be your final output after uploading the file.

