How to connect to Ryerson's Oracle 11g Database with PHP files.

1. Connect to the moon server using your CS username and password
2. Create a folder in the home directory with the name "webdev"
    Command: mkdir webdev
3.   Change permissions to the folder webdev
    Command: chmod 711 webdev
4.   Connect to webdev by the following command:
     Command : ssh webdev
   It will ask CS password
5.   Go inside to the webdev folder by using the following command
    Command: cd webdev
6.   Create a PHP file with a name index.php inside webdev folder
    Command: nano index.php
7.   Write the sample code inside index.php and change the username, password
with your cs username, password and save the file
Sample code:

```php
<?php
error_reporting(E_ALL);
ini_set('display_errors', 'On');
// Create connection to Oracle
$conn = oci_connect('username', 'password',
'(DESCRIPTION=(ADDRESS=(PROTOCOL=TCP)(Host=oracle.scs.ryerson.ca)(Port=1521))(CONNEC
T_DATA=(SID=orcl)))');
if (!$conn) {
   $m = oci_error();
   echo $m['message'];
}
else{
   echo "successfully connected with oracle database";
}
$query = "Select *From test" ;
$stid = oci_parse($conn, $query);
$r = oci_execute($stid);
if($r){
  // Fetch each row in an associative array
   while ($row = oci_fetch_array($stid,   OCI_RETURN_NULLS+OCI_ASSOC)) {
     foreach ($row as $item) {
          echo  $item," ";
     }
     echo "<br/>";
   }
}
?>
```

8.   For any files, you have in the 'webdev' folder change permissions to 644.
        Command: chmod 644 index.php
9.   You must be connected to the Ryerson VPN to access the website using cs
        username and password
10.   Then to access the PHP web pages, your link should be:
        webdev.scs.ryerson.ca/~scsUsername/

11.   For troubleshooting errors in PHP code run following command
Command: php index.php

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