



PES UNIVERSITY, BANGALORE
Department of Computer Science and Engineering

B.TECH. (CSE)
VI SEMESTER
UE20CS301 – Database Management Systems (Minors)
Mini-Project Report
on
EXAM MANAGEMENT SYSTEM

SUBMITTED BY

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Project Synopsis:

INTRODUCTION:

In an **online examination system** examine get their user id and password with his/her admit card. This id is already saved in the examination server. When examine login to the server he/she get his/her profile already register. On the certain time examine gets the message to start the examination. All answers given by examine are saved into the server with his/her profile information. **Online examination system** also allows to correct the answer if the examine needed to change any answer in the examination time duration, however, after the time duration any change will not allow. This also makes c checking the answer easy and error proof as computers are more accurate than man and provide fast results too. Php is a web base language so we can create an **online examination system in PHP**.

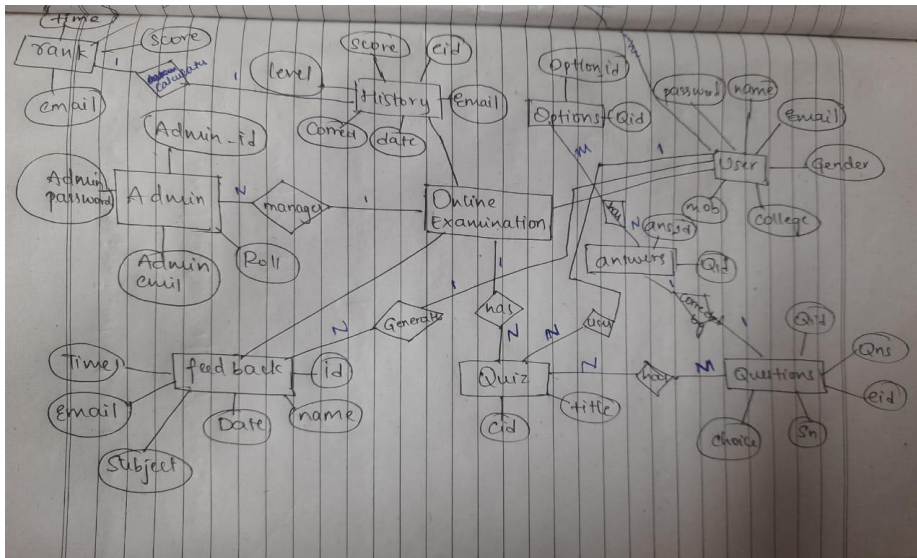
In the world of internet, all task has been done through internet, so we have decide why Exam has not conducted through internet. For convert current exam system into digital exam system, we have build this small Online Exam system project. If this system has build in professional level then it will automate our existing examination system into digitize exam system. In this system it will required less labor force for execute system and it will be more accurate and less time consuming and at the same time we can conduct more person exam at the same time and it will publish result in a very short time. Below you can find benefits of Online Examination System. If this system has been implemented then examination will not limited in to four wall of class room, but student can part into exam from any place.



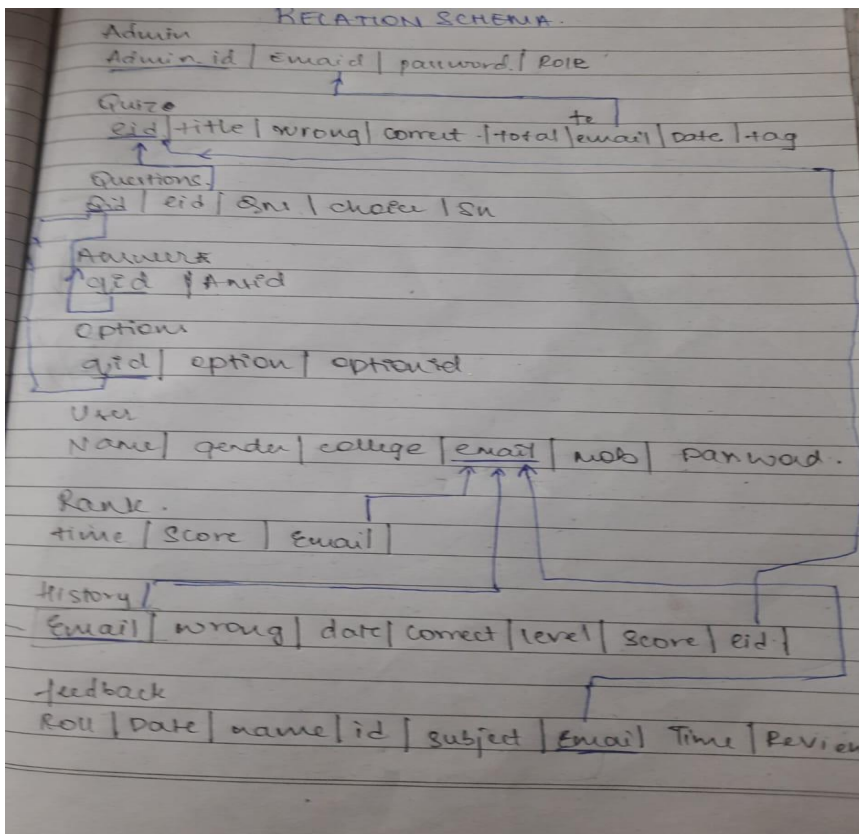
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ER DIAGRAM:



RELATIONAL SCHEMA



HOME PAGE



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← → ↻ localhost/Online-exam-system-master/index.php

ADMIN SIGN IN SIGN UP TEACHER SERVICES DEVELOPERS ABOUT CONTACT

Online Examination

e-EXAMINATION

OUR VALUES

MISSION: Our mission is using one platform for examinations. Reduce paperwork and offering quick and accurate results.

VISION: Our vision of Online Exam System is more popularly helps for our modern age system. It helps us to use the present technology into examination system. It can be helpful for quick and accurate results. Through it helps for only limited sector of people, it is cost efficient, eco friendly and so on.


SERVICES

← → ↻ localhost/Online-exam-system-master/index.php

ADMIN SIGN IN SIGN UP TEACHER SERVICES DEVELOPERS ABOUT CONTACT


SERVICES

What we offer




e Examination

Multiple users One platform




COST OPTIMISED

Reduces paper work




USER SATISFACTION

User satisfaction is our satisfaction.




GREEN

Eco friendly



CERTIFIED

Certified from the government of India.



CONTACT US

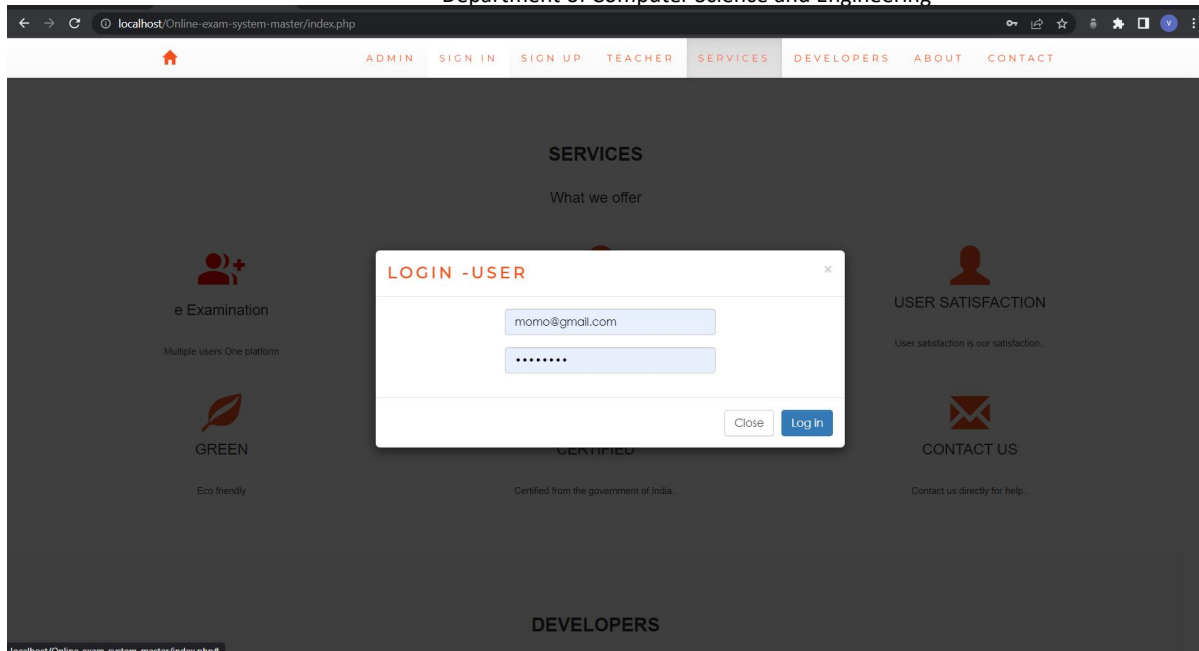
Contact us directly for help.

DEVELOPERS

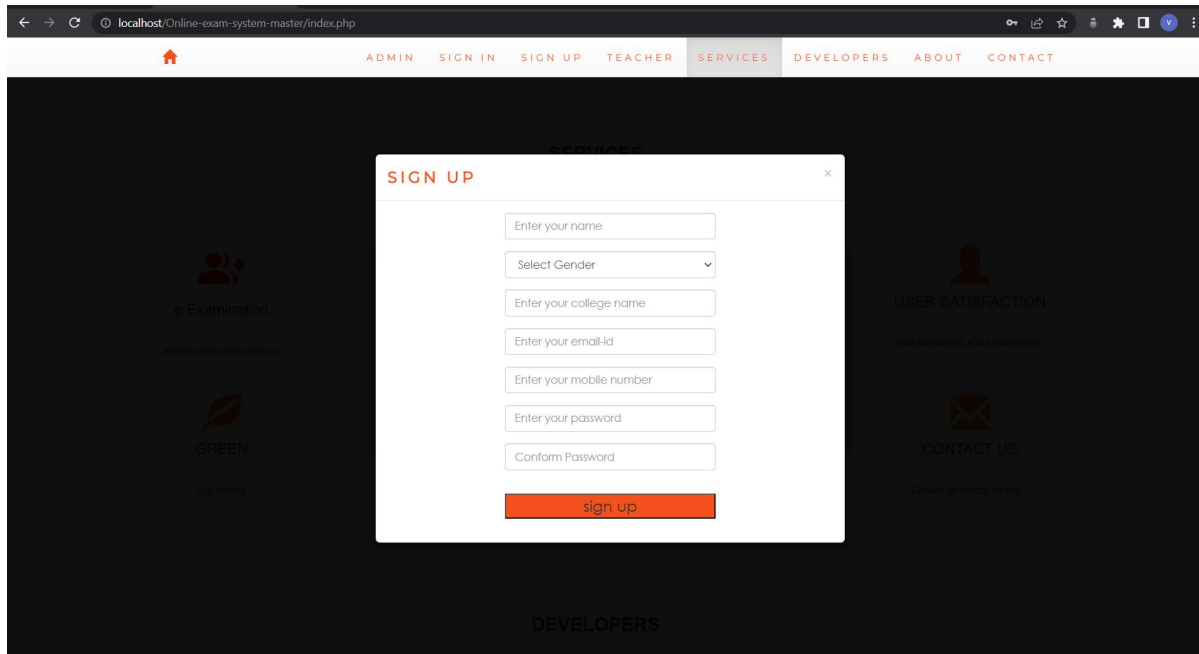
USER LOGIN



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USER SIGN UP





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[←](#) [→](#) [↻](#) [localhost/Online-exam-system-master/](#) [🔑](#) [🔍](#) [📄](#) [☆](#) [⚙️](#) [🖥️](#) [👤](#) [⋮](#)


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DEVELOPERS


Who are we



VAIBHAVI M
PES 2nd year BTECH



BHOOMIKA
PES 2nd year BTECH



MOHIKA
PES 2nd year BTECH

ABOUT AND CONTACT

ABOUT PAGE

Online examination System is conducting a test online to measure the knowledge of the participants on a given topic. In the olden days everybody had to gather in a classroom at the same time to take an exam. With online examination students can do the exam online, in their own time and with their own device, regardless where they live. You online need a browser and internet connection.

Online Examination System (OES) is a platform to hold online examinations. It caters to many requirements of holding online examinations. The system can generate statistical data for records. The system makes it possible to maintain a repository of questions, and then generate papers at a later stage, such that the lecturer has more flexibility over holding online quizzes. Furthermore, it provides the functionality to mark the papers automatically.

Get in Touch



CONTACT

Contact us and we'll get back to you within 24 hours.

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TEACHER:



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Hello, teacher1@gmail.com

Signout

Dashboard - TEACHER

Home

Scores

Ranking

Quiz

S.N.	Topic	Total question	Marks	positive	negative	Time limit
1	Php Coding	2	4	2	1	5 min
2	C++ Coding	2	4	2	1	5 min
3	Networking	2	4	2	1	5 min

Hello, teacher1@gmail.com

Signout

Dashboard - TEACHER

Home

Scores

Ranking

Quiz

Rank	Name	Gender	College	Score
1	Bhoomika	F	pes	4
2	Mohika	F	pes	3
3	Vaibhavi M	F	pes	0

ADD QUIZ



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Dashboard - TEACHER

Home

Scores

Ranking

Quiz

Hello, teacher1@gmail.com

Signout

Enter Quiz Details

Enter Quiz title

Enter total number of questions

Enter marks on right answer

Enter minus marks on wrong answer without sign

Enter time limit for test in minute

Enter #tag which is used for searching

Write description here...

Submit

REMOVE QUIZ

Dashboard - TEACHER

Home

Scores

Ranking

Quiz

Hello, teacher1@gmail.com

Signout

S.N.	Topic	Total question	Marks	Time limit	
1	Php Coding	2	4	5 min	<div>Remove</div>
2	C++ Coding	2	4	5 min	<div>Remove</div>
3	Networking	2	4	5 min	<div>Remove</div>

USER INTERFACE



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Dashboard - Student

HomeHistoryRanking

Welcome, Vaibhavi M

Signout

S.N.	Topic	Total question	Marks	positive	negative	Time limit		
1	Data Structure ✓	2	2	1	0	1 min		
2	Linux : File Managment ✓	2	4	2	1	5 min		
3	Linux:startup	5	10	2	1	10 min		Start
4	Linux :vi Editor	5	10	2	1	10 min		Start
5	Php Coding	2	4	2	1	5 min		Start
6	C++ Coding	2	4	2	1	5 min		Start
7	Networking	2	4	2	1	5 min		Start

INPUT AND OUTPUT:

INPUT IN WEBSITE

ADMIN

SIGN IN

SIGN UP

TEACHER

SERVICES

DEVELOPERS

ABOUT

CONTACT

SIGN UP

John

Male

pes

john@gmail.com

1234567897

sign up

OUTPUT IN XAMPP

<input type="checkbox"/>	Edit	Copy	Delete	John	M	pes	john@gmail.com	1234567897	58c2bd8a8be6198468412a24a56acf0b
--------------------------	------	------	--------	------	---	-----	----------------	------------	----------------------------------



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QUERIES:

1. SELECT ADMIN WITH PASSWORD AS HEAD

```
SELECT * from admin where PASSWORD='head';
```

2. INNER JOIN

```
SELECT * from history INNER JOIN quiz on history.eid=quiz.eid;
```

3. DATE FUNCTION

```
SELECT * FROM history where date BETWEEN '2023-05-03' and '2023-05-05';
```

4. UNION FUNCTION

```
SELECT title from quiz UNION SELECT sn FROM questions;SELECT * from admin where  
PASSWORD='head';
```

5. MIN AND MAX

```
SELECT min(score) as minimum_score from rank;  
SELECT max(score) as maximum_score from rank;
```

4. LIKE OPERATOR

```
SELECT * from quiz where tag LIKE 'I%';  
SELECT * from quiz where tag LIKE 'PHP%';
```

5. NATURAL JOIN

```
SELECT * from rank NATURAL join user;
```

6. ORDER BY

```
SELECT * from rank ORDER by score ASC;
```

7. FUNCTION

```
DELIMITER $$
```

```
CREATE FUNCTION results(score INT)  
RETURNS VARCHAR(50)
```

```
BEGIN
```

```
    DECLARE sf_value VARCHAR(50);
```

```
    IF score > 3 THEN  
        SET sf_value = 'pass';
```

```
    ELSEIF score <= 3 THEN  
        SET sf_value = 'fail';
```

```
    ELSE  
        SET sf_value= 'not available';
```

```
END IF;
```



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```
RETURN sf_value;
```

```
END; $$
```

```
DELIMITER ;
```

USAGE OF FUNCTION:

```
SELECT email,results(score) FROM rank;
```

The screenshot shows the phpMyAdmin interface with the 'rank' table selected. The query 'SELECT * FROM rank;' has been executed, showing 3 rows. The table structure is as follows:

email	score	time
vaibhavin1211@gmail.com	0	2023-05-02 22:19:41
bhoomika@gmail.com	4	2023-05-03 12:49:55
momo@gmail.com	3	2023-05-03 12:52:06

8. NESTED QUERY:

```
SELECT *  
FROM user  
WHERE email IN (  
    SELECT email  
    FROM history  
    WHERE score > 1  
)
```

The screenshot shows the phpMyAdmin interface with a nested query executed. The query is 'SELECT * FROM user WHERE email IN (SELECT email FROM history WHERE score > 1);'. The results show 2 rows from the 'user' table where the email is in the history table with a score greater than 1.

name	gender	college	email	mob	password
Mohika	F	pes	momo@gmail.com	1234565432	fa30809K647819eabee072ece8dbfcd
Vaibhavi M	F	pes	vaibhavin1211@gmail.com	1234567890	0162f52f24a94172ba1a43a85402f



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9. **CURSOR:**

DELIMITER //

```
CREATE PROCEDURE `get_admin_emails`()
BEGIN
    DECLARE done INT DEFAULT FALSE;
    DECLARE email VARCHAR(50);

    -- Declare cursor
    DECLARE cur CURSOR FOR SELECT `email` FROM `admin`;

    -- Declare handlers for exceptions
    DECLARE CONTINUE HANDLER FOR NOT FOUND SET done = TRUE;

    -- Create temporary table to store results
    CREATE TEMPORARY TABLE IF NOT EXISTS `admin_emails` (`email` VARCHAR(50));

    -- Open cursor
    OPEN cur;

    -- Fetch rows from cursor
    read_loop: LOOP
        FETCH cur INTO email;
        IF done THEN
            LEAVE read_loop;
        END IF;

        -- Insert email into temporary table
        INSERT INTO `admin_emails` VALUES (email);
    END LOOP;

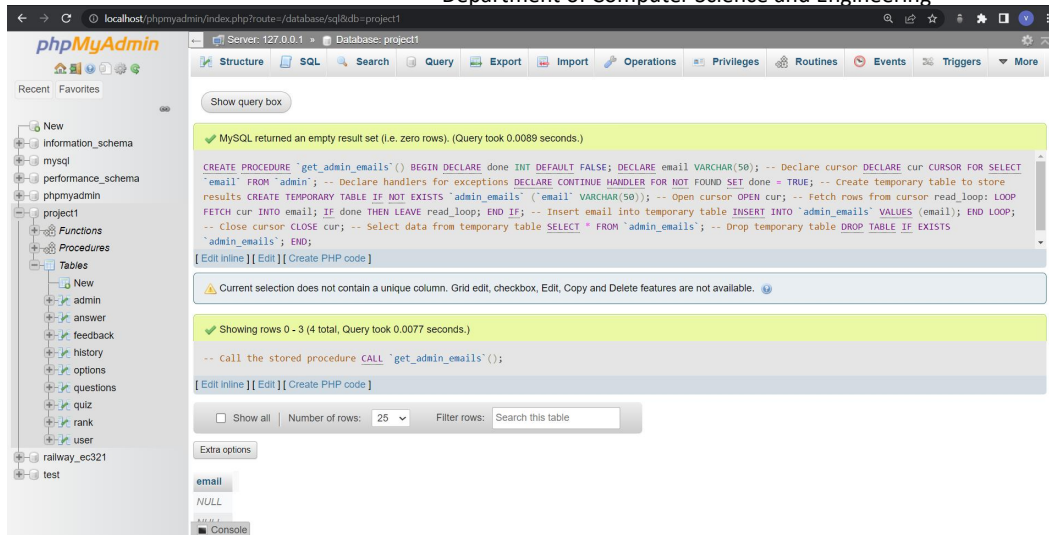
    -- Close cursor
    CLOSE cur;

    -- Select data from temporary table
    SELECT * FROM `admin_emails`;

    -- Drop temporary table
    DROP TABLE IF EXISTS `admin_emails`;
END //

DELIMITER ;

-- Call the stored procedure
CALL `get_admin_emails`();
```

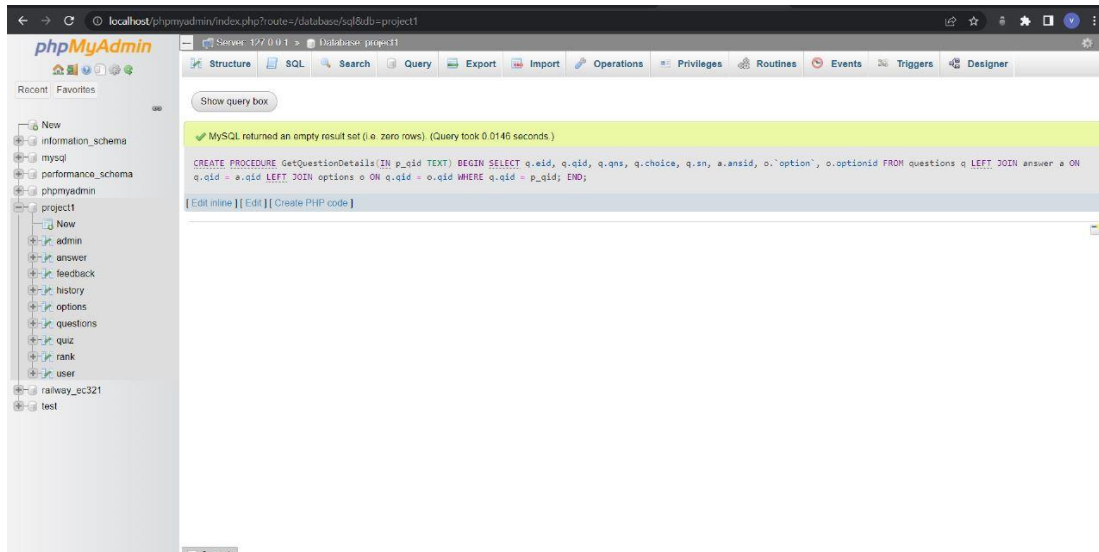


10. STORED PROCEDURE:

DELIMITER //

```
CREATE PROCEDURE GetQuestionDetails(IN p_qid TEXT)
BEGIN
    SELECT q.eid, q.qid, q.qns, q.choice, q.sn, a.ansid, o.`option`, o.optionid
    FROM questions q
    LEFT JOIN answer a ON q.qid = a.qid
    LEFT JOIN options o ON q.qid = o.qid
    WHERE q.qid = p_qid;
END //
```

DELIMITER ;



CALL GetQuestionDetails('55892169bf6a7');



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eid	qid	qns	choice	sn	ansid	option	optionid
558920f900b8	55892169bf6a7	what is command for changing user information??	4	1	55892169d2efc	usermod	55892169d2efc
558920f900b8	55892169bf6a7	what is command for changing user information??	4	1	55892169d2efc	useradd	55892169d2f05
558920f900b8	55892169bf6a7	what is command for changing user information??	4	1	55892169d2efc	useralter	55892169d2f09
558920f900b8	55892169bf6a7	what is command for changing user information??	4	1	55892169d2efc	groupmod	55892169d2f0c

11. TRIGGER:

DELIMITER //

CREATE TRIGGER update_history

AFTER INSERT ON answer

FOR EACH ROW

BEGIN

DECLARE score INT;

DECLARE sahi INT;

DECLARE wrong INT;

SELECT COUNT(*) INTO sahi FROM answer WHERE ansid = NEW.ansid;

SELECT COUNT(*) INTO wrong FROM answer WHERE ansid != NEW.ansid AND qid IN (SELECT qid FROM answer WHERE ansid = NEW.ansid);

SET score = sahi * 5 - wrong * 2;

INSERT INTO history (email, eid, score, level, sahi, wrong)

VALUES (NEW.qid, NEW.ansid, score, 1, sahi, wrong);

END //

DELIMITER ;

```
CREATE TRIGGER update_history AFTER INSERT ON answer FOR EACH ROW BEGIN DECLARE score INT; DECLARE sahi INT; DECLARE wrong INT; SELECT COUNT(*) INTO sahi FROM answer WHERE ansid = NEW.ansid; SELECT COUNT(*) INTO wrong FROM answer WHERE ansid != NEW.ansid AND qid IN (SELECT qid FROM answer WHERE ansid = NEW.ansid); SET score = sahi * 5 - wrong * 2; INSERT INTO history (email, eid, score, level, sahi, wrong) VALUES (NEW.qid, NEW.ansid, score, 1, sahi, wrong); END;
```



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CONCLUSION:

We have developed an interface used for online exam using php and integrated it with sql database.

The following project is easy to use and very user friendly. We have also included queries to show understanding about dbms as a subject

BIBLIOGRAPHY:

W3S SCHOOL

INTRODUCTION TO DBMS -J.STEWARD 2012