

**TY B.Tech. (CSE) – II [ 2022-23 ]**

**5CS372 : Advanced Database System Lab.**

**Assignment No. 4**

**PRN: 2020BTECS00079**

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Design and implement a system for managing online multiple-choice tests. The system should support distributed contribution of questions by teaching assistants, editing of the questions by whoever is in-charge of the course and creation of tests from the available set of questions. It should be able to administer the tests online, either at a fixed time for all students or at any time but with a time limit from start to finish and give students feedback on their scores at the end of the allotted time.

SQL :

```
create database quiz;
```

```
use quiz;
```

```
create table student(  
    prn varchar(14) primary key not null,  
    name varchar(50) not null,  
    pass varchar(15) not null,  
    branch varchar(10) not null  
);
```

```
create table teacher(  
    t_id int primary key not null auto_increment,  
    name varchar(50) not null,  
    pass varchar(15) not null,  
    dept varchar(10) not null  
);
```

```
create table quiz(  
    quiz_id int not null,  
    quiz_timer int,  
    q_id int not null auto_increment unique,  
    question varchar(255) not null,  
    opt_a varchar(255) not null,  
    opt_b varchar(255) not null,  
    opt_c varchar(255) not null,  
    opt_d varchar(255) not null,
```

```
        answer char  
    );
```

```
create table takes_quiz(  
    t_id int,  
    quiz_id int,  
    foreign key (t_id) references teacher(t_id)  
);
```

```
create table result (  
    prn varchar(14) not null,  
    quiz_id int not null,  
    marks int not null,  
    out_of int not null  
);
```

```
create table attempted_students (  
    id int primary key auto_increment,  
    prn varchar(14) not null,  
    quiz_id int not null,  
    ip_addr varchar(15) not null,  
    country varchar(50) not null,  
    region_name varchar(50),  
    city varchar(50),  
    isp varchar(255) not null,  
    lat varchar(10) not null,  
    lon varchar(10) not null,  
    ts datetime default current_timestamp  
);
```

Quiz App

Home

Register

Login

Student's Login

PRN

2020BTECS00079

Password

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Login

Quiz App

Home

Quiz

Logout

Logged in as: 1

Your Quizes

Sr. No.	Quiz ID	Result
1	12	<div>View Result</div>
2	22	<div>View Result</div>

Quiz App

Home

Quiz

Logout

Logged in as: 2020BTECS00079

MCQ Quiz

Timer: 29:50

1 of 4

Q.1. Test question 1

O1

O2

O3

O3

Clear

Save

2 of 4

Quizes Result

Sr. No.	Quiz ID	Marks
1	12	1 out of 2
2	22	1 out of 4