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TY B.Tech. (CSE) – II [ 2022-23 ]
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5CS372: Advanced Database System Lab.

Assignment No. 4

SQL:

PRN: 2020BTECS00079

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 incharge 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.

```
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,
```

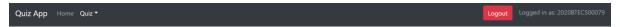
opt_b varchar(255) not null, opt_c varchar(255) not null, opt_d varchar(255) not null,

```
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
);
```









Quizes Result

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