EX 7

Solutions

use ex7;

-- Table creation
CREATE TABLE feespaid(
rollno int,
feelspaiddate date,
chequeno int,
bankname varchar(25),
remarks varchar(25),
amount int
);

CREATE TABLE enquiry(
enquiryno int,
name varchar(25),
coursecode int,
street varchar(25),
city varchar(25),
enquirydate date,
refcode int
);

-- Table insertion
INSERT INTO feespaid VALUES
(10001, '1998-07-25', 12345, '', '',20000),
(10002, '2015-07-27', 12789, '', '', 25000),
(10003, '2016-10-02', 13456, '', '', 35000);

INSERT INTO enquiry VALUES
(1100011, 'anil', 10, 'ramnagar', 'nagpur', '1998-07-01', 1001),
(1100012, 'achin', 20, 'gandhinagar', 'nagpur', '1999-09-01', 1002);

-- Questions

```
-- Q1
use delimiter //
CREATE TRIGGER check_code BEFORE INSERT ON enquiry FOR EACH ROW
BEGIN
      IF new.coursecode > 10 AND new.coursecode < 99 THEN
            set new.coursecode = new.coursecode;
      ELSE
            SIGNAL SQLSTATE '70715';
      END IF;
END //


-- Q2
use delimiter //
CREATE TRIGGER dont_change_student1 BEFORE UPDATE ON enquiry FOR
EACH ROW
BEGIN
      IF old.name = 'student1' THEN
            SIGNAL SQLSTATE '70715';
      END IF;
END //


use delimiter //
CREATE TRIGGER dont_change_student1_del BEFORE DELETE ON enquiry FOR
EACH ROW
BEGIN
      IF old.name = 'student1' THEN
            SIGNAL SQLSTATE '70715';
      END IF;
END //


-- Q3
use delimiter //
CREATE TRIGGER check_fee BEFORE INSERT ON feespaid FOR EACH ROW
BEGIN
      IF new.amount < 10000 THEN
            SIGNAL SQLSTATE '70715';
      END IF;
END //


-- Q4
```

```
use delimiter //
CREATE TRIGGER check_enquiry_date1 BEFORE INSERT ON enquiry FOR EACH
ROW
BEGIN
        IF new.enquirydate > '2017-08-25' THEN
                SIGNAL SQLSTATE '70715';
        END IF;
END //

-- Q5
use delimiter //
CREATE TRIGGER not_equal BEFORE UPDATE ON enquiry FOR EACH ROW
BEGIN
        IF old.enquiryno = new.enquiryno AND old.name = new.name AND
old.coursecode = new.coursecode AND old.street = new.street AND old.city =
new.city AND old.enquirydate = new.enquirydate AND old.refcode =
new.refcode THEN
                SIGNAL SQLSTATE '70715';
        END IF;
END //

-- Q6
use delimiter //
CREATE TRIGGER check_average_1 AFTER INSERT ON feespaid FOR EACH ROW
BEGIN
        IF  (SELECT AVG(amount) FROM feespaid) > 50000 THEN
                SIGNAL SQLSTATE '70715';
        END IF;
END //
```