```
Reg no: RA1811003010984
Expt: 3
TCL Commands
BEGIN TRANSACTION;
CREATE TABLE emp(employee_id int, employee_name text, age int, gender text, shift char);
INSERT INTO emp VALUES(1,'bob',23,'male','e');
INSERT INTO emp VALUES(2,'julia',25,'female','m');
INSERT INTO emp VALUES(3,'johnathon',31,'male','e');
INSERT INTO emp VALUES(4,'alice',20,'female','m');
INSERT INTO emp VALUES(5,'rick',32,'male','e');
INSERT INTO emp VALUES(6,'stacy',27,'female','m');
COMMIT;
UPDATE emp SET employee_name = 'michael' where employee_id = 3;
SAVEPOINT A;
UPDATE emp SET age = 24 where employee_id = 4;
SAVEPOINT B;
INSERT INTO emp VALUES(7,'mike',22,'male','e');
SAVEPOINT C;
SELECT * FROM emp;
ROLLBACK TO B;
SELECT * FROM emp;
```

Name: Supreet Ganguly

ROLLBACK TO A;

SELECT * FROM emp;

SQL Commands:

CREATE TABLE reviews(id int, book_id int, reviewer_name text, content text, rating int, published_date text);

INSERT INTO reviews VALUES(1,1,'john smith','my first review',4,'2017-12-10');

INSERT INTO reviews VALUES(2,2, 'john smith', 'my second review',5, '2017-10-13');

INSERT INTO reviews VALUES(3,2,'alice walker', 'another review',1,'2017-10-22');

CREATE TABLE books(id int, title text, author text, published_date text, isbn bigint);
INSERT INTO books VALUES(1,'my first sql book','mary parker','2012-02-22',981483029127);
INSERT INTO books VALUES(2,'my second sql book','john mayer','1972-07-03',857300923713);
INSERT INTO books VALUES(3,'my third sql book','cary flint','2015-10-18',523120967812);

SELECT id, book_id , reviewer_name as r_name , content , rating , published_date as p_date FROM reviews;

SELECT id ,title , author , published_date as p_date , isbn FROM books;

SELECT reviews.book_id, reviews.published_date, reviews.content, reviews.rating, books.id, books.title, books.author FROM reviews RIGHT JOIN books ON reviews.book_id = books.id;

SELECT reviews.book_id, reviews.content, reviews.reviewer_name ,reviews.rating, reviews.published_date, books.id, books.title, books.author ,books.published_date, books.isbn FROM reviews INNER JOIN books ON reviews.id = books.id;

SELECT reviews.book_id, reviews.content, reviews.reviewer_name ,reviews.rating, reviews.published_date, books.id, books.title, books.author ,books.published_date, books.isbn

FROM reviews RIGHT JOIN books ON reviews.book_id = books.id UNION

SELECT reviews.book_id, reviews.content, reviews.reviewer_name ,reviews.rating, reviews.published_date, books.id, books.ittle, books.author ,books.published_date, books.isbn

FROM reviews LEFT JOIN books ON reviews.book id = books.id;

