Create table Library (

id INT PRIMARY KEY,

Bookname Varchar(50),

Publisher Varchar(50),

Section Varchar(50)

);

INSERT INTO Library (id, bookname, publisher, section)

VALUES

(1, 'Data Structures', 'TechWorld', 'Engineering'),

(2, 'Introduction to Algorithms', 'MIT Press', 'Engineering'),

(3, 'The Adventures of Sherlock Holmes', 'Penguin Books', 'Literature'),

(4, 'Naruto', 'Viz Media', 'Manga'),

(5, 'The Power of Habit', 'Random House', 'Self-Help'),

(6, 'Hacking: The Art of Exploitation', 'No Starch Press', 'Cybersecurity');

CREATE TABLE LibraryAudit (

id INT,

Prevbookname VARCHAR(50),

Prevpublisher VARCHAR(50),

Prevsection VARCHAR(50),

Status VARCHAR(50)

);

DELIMITER //

CREATE TRIGGER before\_update

BEFORE UPDATE ON Library

FOR EACH ROW

BEGIN

INSERT INTO LibraryAudit(id, Prevbookname, Prevpublisher, Prevsection, Status)

VALUES (OLD.id, OLD.bookname, OLD.publisher, OLD.section, 'Before Update');

END //

DELIMITER ;

DELIMITER //

CREATE TRIGGER after\_update

AFTER UPDATE ON Library

FOR EACH ROW

BEGIN

INSERT INTO LibraryAudit(id, Prevbookname, Prevpublisher, Prevsection, Status)

VALUES (NEW.id, NEW.bookname, NEW.publisher, NEW.section, 'After Update');

END //

DELIMITER ;

DELIMITER //

CREATE TRIGGER before\_delete

BEFORE DELETE ON Library

FOR EACH ROW

BEGIN

INSERT INTO LibraryAudit(id, Prevbookname, Prevpublisher, Prevsection, Status)

VALUES (OLD.id, OLD.bookname, OLD.publisher, OLD.section, 'Deleted');

END //

DELIMITER ;

UPDATE Library

SET section = 'Literature'

WHERE id = 4;

select \* from LibraryAudit;

delete from Library where(id = 5);

select \* from LibraryAudit;

select \* from Library;

select \* from LibraryAudit;