CREATE TABLE Library (

book\_id INT AUTO\_INCREMENT PRIMARY KEY,

title VARCHAR(255),

author VARCHAR(255),

publication\_year INT

);

CREATE TABLE Library\_Audit (

audit\_id INT AUTO\_INCREMENT PRIMARY KEY,

book\_id INT,

title VARCHAR(255),

author VARCHAR(255),

publication\_year INT,

action VARCHAR(50), -- "DELETE" or "UPDATE"

audit\_timestamp TIMESTAMP

);

INSERT INTO Library (title, author, publication\_year) VALUES

('Book 1', 'Author A', 2000),

('Book 2', 'Author B', 2010),

('Book 3', 'Author C', 2020);

DELIMITER //

CREATE TRIGGER BeforeLibraryDelete

BEFORE DELETE ON Library FOR EACH ROW

BEGIN

INSERT INTO Library\_Audit (book\_id, title, author, publication\_year, action, audit\_timestamp)

VALUES (OLD.book\_id, OLD.title, OLD.author, OLD.publication\_year, 'DELETE', NOW());

END;

//

DELIMITER ;

DELIMITER //

CREATE TRIGGER BeforeLibraryUpdate

BEFORE UPDATE ON Library FOR EACH ROW

BEGIN

INSERT INTO Library\_Audit (book\_id, title, author, publication\_year, action, audit\_timestamp)

VALUES (OLD.book\_id, OLD.title, OLD.author, OLD.publication\_year, 'UPDATE', NOW());

END;

//

DELIMITER ;

DELIMITER //

CREATE TRIGGER AfterLibraryDelete

AFTER DELETE ON Library

FOR EACH ROW

BEGIN

select (" Deletion Performed ");

END;

//

DELIMITER ;

DELIMITER //

CREATE TRIGGER AfterLibraryUpdate

AFTER UPDATE ON Library

FOR EACH ROW

BEGIN

select (" Updation Performed ");

END;

//

DELIMITER ;

UPDATE Library

SET title = 'Updated Book', author = 'New Author'

WHERE book\_id = 1;

DELETE FROM Library WHERE book\_id = 2;

SELECT \* FROM Library\_Audit;