**Program Code –**

CREATE SEQUENCE Audit\_seq START WITH 1 INCREMENT BY 1;

CREATE OR REPLACE TRIGGER before\_update\_library

BEFORE UPDATE ON Library

FOR EACH ROW

BEGIN

INSERT INTO Library\_Audit (AuditID, BookID, Title, Author, Price, ActionType)

VALUES (Audit\_seq.NEXTVAL, :OLD.BookID, :OLD.Title, :OLD.Author, :OLD.Price, 'BEFORE UPDATE');

END;

/

CREATE OR REPLACE TRIGGER after\_update\_library

AFTER UPDATE ON Library

FOR EACH ROW

BEGIN

INSERT INTO Library\_Audit (AuditID, BookID, Title, Author, Price, ActionType)

VALUES (Audit\_seq.NEXTVAL, :OLD.BookID, :OLD.Title, :OLD.Author, :OLD.Price, 'AFTER UPDATE');

END;

/

CREATE OR REPLACE TRIGGER before\_delete\_library

BEFORE DELETE ON Library

FOR EACH ROW

BEGIN

INSERT INTO Library\_Audit (AuditID, BookID, Title, Author, Price, ActionType)

VALUES (Audit\_seq.NEXTVAL, :OLD.BookID, :OLD.Title, :OLD.Author, :OLD.Price, 'BEFORE DELETE');

END;

/

CREATE OR REPLACE TRIGGER after\_delete\_library

AFTER DELETE ON Library

FOR EACH ROW

BEGIN

INSERT INTO Library\_Audit (AuditID, BookID, Title, Author, Price, ActionType)

VALUES (Audit\_seq.NEXTVAL, :OLD.BookID, :OLD.Title, :OLD.Author, :OLD.Price, 'AFTER DELETE');

END;

/

**Output –**



