CREATE TABLE Lib\_1(book\_name VARCHAR2(25), status VARCHAR2(15));

INSERT INTO Lib\_1 VALUES('DARK MATTER', 'AVAILABLE');

INSERT INTO Lib\_1 VALUES('SILENT HILL', 'UNAVAILABLE');

INSERT INTO Lib\_1 VALUES('GOD OF WAR', 'AVAILABLE');

INSERT INTO Lib\_1 VALUES('SPIDER-MAN', 'UNAVAILABLE');

CREATE TABLE library\_ad(

date\_modified DATE,

book\_name VARCHAR2(25),

old\_status VARCHAR2(15),

new\_status VARCHAR2(15),

action VARCHAR2(25)

);

CREATE OR REPLACE TRIGGER Trig

AFTER UPDATE OR DELETE OR INSERT ON Lib\_1

FOR EACH ROW

BEGIN

IF UPDATING THEN

INSERT INTO library\_ad VALUES (SYSDATE, :OLD.book\_name, :OLD.status, :NEW.status, 'UPDATE');

ELSIF INSERTING THEN

INSERT INTO library\_ad VALUES (SYSDATE, :NEW.book\_name, NULL, :NEW.status, 'INSERT');

ELSE

INSERT INTO library\_ad VALUES (SYSDATE, :OLD.book\_name, :OLD.status, NULL, 'DELETE');

END IF;

END;

/

UPDATE Lib\_1 SET status = 'PRE-ORDER' WHERE book\_name = 'GOD OF WAR';

INSERT INTO Lib\_1 VALUES('SPM', 'UNAVAILABLE');

UPDATE Lib\_1 SET status = 'UNAVAILABLE' WHERE book\_name = 'DARK MATTER';

DELETE FROM Lib\_1 WHERE book\_name = 'SILENT HILL';

SELECT \* FROM Lib\_1;

SELECT \* FROM library\_ad;