CREATE TABLE lib\_tab( book\_name VARCHAR(25), status VARCHAR(15)); CREATE TABLE library\_audit( date\_modified DATE, book\_name VARCHAR(25), old\_status VARCHAR(15), new\_status VARCHAR(15), ac on VARCHAR(25));

delimiter //

CREATE TRIGGER trigger\_1

AFTER INSERT ON lib\_tab FOR EACH ROW

BEGIN

INSERT INTO library\_audit VALUES (now(),NEW.book\_name,NULL,NEW.status,'INSERT'); END;//

delimiter //

CREATE TRIGGER trigger\_2

AFTER UPDATE ON lib\_tab FOR EACH ROW

BEGIN

INSERT INTO library\_audit VALUES (now(),OLD.book\_name,OLD.status,NEW.status,'UPDATE'); END;//

DELIMITER //

CREATE TRIGGER trigger\_3

AFTER DELETE ON lib\_tab

FOR EACH ROW

BEGIN

INSERT INTO library\_audit

VALUES (NOW(), OLD.book\_name, OLD.status, NULL, 'DELETE');

END;//

INSERT INTO lib\_tab VALUES('DARK MATTER','AVAILABLE');

INSERT INTO lib\_tab VALUES('SILENT HILL','UNAVAILABLE');

INSERT INTO lib\_tab VALUES('GOD OF WAR','AVAILABLE');

INSERT INTO lib\_tab VALUES('SPIDER-MAN','UNAVAILABLE');

INSERT INTO lib\_tab VALUES('UNCHARTED','AVAILABLE');

DELETE FROM lib\_tab WHERE book\_name = 'SILENT HILL';

UPDATE lib\_tab SET status = 'UNAVAILABLE' WHERE book\_name = 'UNCHARTED';

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

UPDATE lib\_tab SET status = 'AVAILABLE' WHERE book\_name = 'UNCHARTED';

INSERT INTO lib\_tab VALUES('SPM','UNAVAILABLE');

Select \* from library\_audit;

Select \* from lib\_tab;

OUTPUT:- library\_audit

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| date\_modified | book\_name | old\_status | new\_status | ac on |
| 2024-11-09 | DARK MATTER |  | AVAILABLE | INSERT |
| 2024-11-09 | SILENT HILL |  | UNAVAILABLE | INSERT |
| 2024-11-09 | GOD OF WAR |  | AVAILABLE | INSERT |
| 2024-11-09 | SPIDER-MAN |  | UNAVAILABLE | INSERT |
| 2024-11-09 | UNCHARTED |  | AVAILABLE | INSERT |
| 2024-11-09 | SILENT HILL | UNAVAILABLE |  | DELETE |
| 2024-11-09 | UNCHARTED | AVAILABLE | UNAVAILABLE | UPDATE |
| 2024-11-09 | GOD OF WAR | AVAILABLE | PRE-ORDER | UPDATE |
| 2024-11-09 | UNCHARTED | UNAVAILABLE | AVAILABLE | UPDATE |
| 2024-11-09 | SPM |  | UNAVAILABLE | INSERT |

lib\_tab

|  |  |
| --- | --- |
| book\_name | status |
| DARK MATTER | AVAILABLE |
| GOD OF WAR | PRE-ORDER |
| SPIDER-MAN | UNAVAILABLE |
| UNCHARTED | AVAILABLE |
| SPM | UNAVAILABLE |