mysql> create database practical7;

Query OK, 1 row affected (0.01 sec)

mysql> use practical7;

Database changed

mysql> create table library(bno int(5),bname varchar(40),author varchar(20),allowed\_days int(5));

Query OK, 0 rows affected, 2 warnings (0.03 sec)

mysql> create table library\_audit(bno int(5),old\_all\_days int(5),new\_all\_days int(5));

Query OK, 0 rows affected, 3 warnings (0.02 sec)

mysql> insert into library values(1,'Database Systems','Connally T',10);

Query OK, 1 row affected (0.01 sec)

mysql> insert into library values(2,'System Programming','John Donovan',20);

Query OK, 1 row affected (0.01 sec)

mysql> insert into library values(3,'Computer Network & Internet','Douglas E. Comer',18);

Query OK, 1 row affected (0.01 sec)

mysql> insert into library values(4,'Agile Project Management','Ken Schwaber',24);

Query OK, 1 row affected (0.01 sec)

mysql> insert into library values(5,'Python for Data Analysis','Wes McKinney',12);

Query OK, 1 row affected (0.01 sec)

mysql> select\*from library;

+------+-----------------------------+------------------+--------------+

| bno | bname | author | allowed\_days |

+------+-----------------------------+------------------+--------------+

| 1 | Database Systems | Connally T | 10 |

| 2 | System Programming | John Donovan | 20 |

| 3 | Computer Network & Internet | Douglas E. Comer | 18 |

| 4 | Agile Project Management | Ken Schwaber | 24 |

| 5 | Python for Data Analysis | Wes McKinney | 12 |

+------+-----------------------------+------------------+--------------+

5 rows in set (0.00 sec)

mysql> delimiter //

mysql> create trigger tr1

-> before update on library

-> for each row

-> begin

-> insert into library\_audit values(new.bno,old.allowed\_days,new.allowed\_days);

-> end//

Query OK, 0 rows affected (0.02 sec)

mysql> update library set allowed\_days=15 where bno=1; //

Query OK, 1 row affected (0.01 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> update library set allowed\_days=25 where bno=2; //

Query OK, 1 row affected (0.01 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> update library set allowed\_days=13 where bno=3; //

Query OK, 1 row affected (0.01 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> update library set allowed\_days=19 where bno=4; //

Query OK, 1 row affected (0.01 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> update library set allowed\_days=17 where bno=5; //

Query OK, 1 row affected (0.01 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> select \* from library; //

+------+-----------------------------+------------------+--------------+

| bno | bname | author | allowed\_days |

+------+-----------------------------+------------------+--------------+

| 1 | Database Systems | Connally T | 15 |

| 2 | System Programming | John Donovan | 25 |

| 3 | Computer Network & Internet | Douglas E. Comer | 13 |

| 4 | Agile Project Management | Ken Schwaber | 19 |

| 5 | Python for Data Analysis | Wes McKinney | 17 |

+------+-----------------------------+------------------+--------------+

5 rows in set (0.00 sec)

mysql> select \* from library\_audit; //

+------+--------------+--------------+

| bno | old\_all\_days | new\_all\_days |

+------+--------------+--------------+

| 1 | 10 | 15 |

| 2 | 20 | 25 |

| 3 | 18 | 13 |

| 4 | 24 | 19 |

| 5 | 12 | 17 |

+------+--------------+--------------+

5 rows in set (0.00 sec)

mysql>