5. Write a query to insert values in a specific table of your choice in which one of the column has unique constrains and if one tries to insert data which is duplicate based on the column having unique constrain then the value gets updated

mysql> create table books (Book_id int primary key,

Book_name varchar(45) not null UNIQUE,

Price int,

Quantity int);

Book_id	Book_name	Price	Quantity
▶ 101	Tiny Habits	125	74
102	Friendly JAVA	195	86
103	Thinking in JAVA	250	100
104	Effective JAVA	325	139
106	CORE JAVA	256	50
107	Head First JAVA	300	60
＊ NULL	NULL	NULL	NULL

mysql> insert into school.books(Book_id,Book_name,Price,Quantity)

Values (108,'Head First JAVA',400,85)

ON duplicate key update Book_name = 'Java: A Beginner\'s Guide';

Book_id	Book_name	Price	Quantity
▶ 101	Tiny Habits	125	74
102	Friendly JAVA	195	86
103	Thinking in JAVA	250	100
104	Effective JAVA	325	139
106	CORE JAVA	256	50
107	Java: A Beginner's Guide	300	60
108	Head First JAVA	400	85
＊ NULL	NULL	NULL	NULL

7. DEADLOCK

Created two users "user1" and "user2" for a database "school"

mysql> create table books (Book_id int primary key, Book_name varchar(45), Price int,Quantity int);

mysql>begin;

mysql>set autocommit = off;

- **Mysql -u user1 -p**
mysql> update books set Price = Price+5 where Book_id = 101;
Query OK, 1 row affected (0.05 sec)

Rows matched:1 Changed: 1 Warnings:0

- **Mysql -u user2 -p**

mysql> update books set Quantity = Quantity+10 where Book_id = 102;
Query OK, 1 row affected (0.05 sec)
Rows matched:1 Changed: 1 Warnings:0

- **Mysql -u user2 -p**

mysql> update books set Quantity=Quantity+10 where Book_id=101;
Query OK, 1 row affected (16.33 sec)
Rows matched: 1 Changed: 1 Warnings: 0

- **Mysql -u user1 -p**

mysql> update books set Price=Price+5 where Book_id=102;
ERROR 1213 (40001): Deadlock found when trying to get lock; try restarting transaction