**MYSQL ASSIGNMENT 1**

mysql> **CREATE DATABASE BOOKSHOP;**

Query OK, 1 row affected (0.02 sec)

mysql> **USE BOOKSHOP;**

Database changed

mysql> **CREATE TABLE subjects(**

**-> subjectid CHAR(4) NOT NULL,**

**-> subtitle VARCHAR(20) PRIMARY KEY,**

**-> durationInHours int(2)**

**-> );**

Query OK, 0 rows affected (0.20 sec)

mysql> **CREATE TABLE books(**

**-> bookid CHAR(4) NOT NULL,**

**-> title VARCHAR(20) NOT NULL,**

**-> price double(7,2) NOT NULL,**

**-> vol int(2) NOT NULL,**

**-> pdate date NOT NULL,**

**-> stitle VARCHAR(20) NOT NULL,**

**-> index pn\_subject\_index(stitle),**

**-> foreign key(stitle) references subjects(subtitle) on delete cascade,**

**-> primary key(bookid)**

**->**

**-> );**

Query OK, 0 rows affected (0.09 sec)

mysql> **SHOW TABLES;**

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

| Tables\_in\_bookshop |

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

| books |

| subjects |

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

2 rows in set (0.00 sec)

mysql> **DESC books;**

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

| Field | Type | Null | Key | Default | Extra |

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

| bookid | char(4) | NO | PRI | NULL | |

| title | varchar(20) | NO | | NULL | |

| price | double(7,2) | NO | | NULL | |

| vol | int(2) | NO | | NULL | |

| pdate | date | NO | | NULL | |

| stitle | varchar(20) | NO | MUL | NULL | |

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

6 rows in set (0.02 sec)

mysql> **DESC subjects;**

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

| Field | Type | Null | Key | Default | Extra |

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

| subjectid | char(4) | NO | | NULL | |

| subtitle | varchar(20) | NO | PRI | NULL | |

| durationInHours | int(2) | YES | | NULL | |

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

3 rows in set (0.00 sec)

mysql> **INSERT INTO subjects(subjectid,subtitle,durationInHours) VALUES('6001','C**

**ommunication','16');**

Query OK, 1 row affected (0.00 sec)

mysql> **INSERT INTO books(bookid,title,price,vol,pdate,stitle) VALUES('1001','Sat**

**ellite','90.00','3','2018-01-01','Communication');**

Query OK, 1 row affected (0.03 sec)

mysql> **select \* from books;**

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

| bookid | title | price | vol | pdate | stitle |

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

| 1001 | Satellite | 90.00 | 3 | 2018-01-01 | Communication |

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

1 row in set (0.00 sec)

mysql> **UPDATE books SET price='80.00' WHERE bookid='1001';**

Query OK, 1 row affected (0.03 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> **select \* from books;**

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

| bookid | title | price | vol | pdate | stitle |

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

| 1001 | Satellite | 80.00 | 3 | 2018-01-01 | Communication |

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

1 row in set (0.00 sec)

mysql> **DELETE FROM books WHERE bookid='1001';**

Query OK, 1 row affected (0.01 sec)

mysql> **select \* from books;**

Empty set (0.00 sec)

**SCREENSHOTS:**







