

Creating user\_info tables:

```
CREATE TABLE USER_INFO (  
    id INT PRIMARY KEY AUTO_INCREMENT,  
    user_name VARCHAR(255),  
    user_hobby VARCHAR(255)  
);
```

Creating friendships table:

```
CREATE TABLE FRIENDSHIP (  
    user1_id INT,  
    user2_id INT,  
    PRIMARY KEY (user1_id, user2_id),  
    FOREIGN KEY (user1_id) REFERENCES USER_INFO(id),  
    FOREIGN KEY (user2_id) REFERENCES USER_INFO(id)  
);
```

Creating block\_data:

```
CREATE TABLE BLOCK_DATA (  
    block_id INT PRIMARY KEY AUTO_INCREMENT,  
    blocker_id INT,  
    blocked_id INT,  
    UNIQUE (blocker_id, blocked_id),  
    FOREIGN KEY (blocker_id) REFERENCES USER_INFO(id),  
    FOREIGN KEY (blocked_id) REFERENCES USER_INFO(id)  
);
```

Inserting data into USER\_INFO table

```
INSERT INTO USER_INFO (user_name, user_hobby)  
VALUES ('John', 'Reading'),  
('Mary', 'Traveling'),  
('Bob', 'Playing video games'),  
('Alice', 'Hiking'),  
('Tom', 'Watching movies'),  
('Donna', 'Dancing'),  
('Charlie', 'Cooking'),  
('Emily', 'Photography'),  
('David', 'Running'),  
('Rachel', 'Painting');
```

Inserting data into FRIENDSHIP table

```
INSERT INTO FRIENDSHIP (user1_id, user2_id)  
VALUES (1, 2),
```

```
(1, 3),  
(2, 3),  
(3, 4),  
(4, 5),  
(5, 6),  
(6, 7),  
(7, 8),  
(8, 9),  
(9, 10);
```

**Inserting data into BLOCK\_DATA table**

```
INSERT INTO BLOCK_DATA (blocker_id, blocked_id)  
VALUES (1, 4),  
(2, 5),  
(3, 1),  
(4, 2),  
(5, 3),  
(6, 1),  
(7, 2),  
(8, 3),  
(9, 4),  
(10, 5);
```