

UPDATE CASCADE AND DELETE CASCADE

Complete process

CREATE DATABASE

CREATE DATABASE

practice;

USE DATAVASE

USE practice;

CREATE TABLE

CREATE TABLE bank_details

(

account_number BIGINT PRIMARY KEY,

account_holder varchar(20) not null,

address varchar(20),

phone BIGINT,

CONSTRAINT bank_detials_chk CHECK (address in ('Mumbai', 'Pune', 'Delhi'))

);

CREATE ANOTHER TABLE

CREATE TABLE transactions

(

acc_no BIGINT PRIMARY KEY REFERENCES bank_details(account_number) ON UPDATE CASCADE ON DELETE CASCADE,

total_amount FLOAT CHECK(total_amount>0),

FOREIGN KEY (acc_no) REFERENCES bank_details(account_number) ON UPDATE CASCADE ON DELETE CASCADE

);

```
# ALTER TABLE transactions ADD CHECK(toal_amount>0);
```

CREATE ANOTHER TABLE

```
CREATE TABLE trans_info
```

```
(
```

```
acc_nu BIGINT ,
```

```
trans_date DATETIME
```

```
);
```

```
-- ALTER TABLE trans_info DROP FOREIGN KEY trans_info_IBFK_1;
```

```
ALTER TABLE trans_info ADD FOREIGN KEY (acc_nu) REFERENCES bank_details(account_number)
```

```
ON UPDATE CASCADE ON DELETE CASCADE;
```

ENTER THE DATA INTO THE TABLES

```
INSERT INTO bank_details VALUES (111, 'A', 'Mumbai', 7875);
```

```
INSERT INTO bank_details VALUES (222, 'A', 'Delhi', 7875);
```

```
INSERT INTO bank_details VALUES (223, 'B', 'Pune', 7873);
```

```
INSERT INTO transactions VALUES (111, 100);
```

```
INSERT INTO transactions VALUES (222, 100);
```

```
INSERT INTO trans_info VALUES (111, '10-1-20');
```

```
INSERT INTO trans_info VALUES (222, '10-1-20');
```

```
DELETE FROM bank_details WHERE account_number = 111;
```

```
SELECT * FROM trans_info;
```

```
# Done
```