***Question 1***

CREATE TABLE COFFEE (

COFFEE\_CODE VARCHAR(5) NOT NULL PRIMARY KEY,

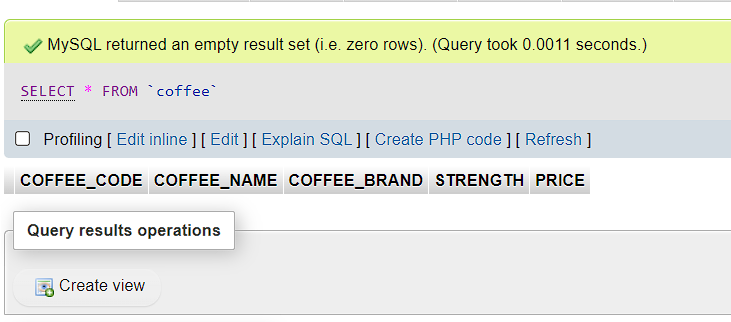
COFFEE\_NAME VARCHAR(40) NOT NULL,

COFFEE\_BRAND VARCHAR(40) NOT NULL,

STRENGTH VARCHAR(40) NOT NULL,

PRICE DECIMAL(10,2) NOT NULL

);



CREATE TABLE STORES(

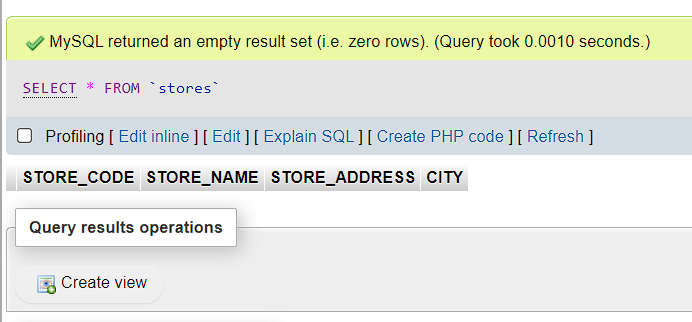
STORE\_CODE VARCHAR(5) NOT NULL PRIMARY KEY,

STORE\_NAME VARCHAR(20) NOT NULL,

STORE\_ADDRESS VARCHAR(50) NOT NULL,

CITY VARCHAR(20) NOT NULL

);



CREATE TABLE AVAILABILITY (

COFFEE\_CODE VARCHAR(5) NOT NULL,

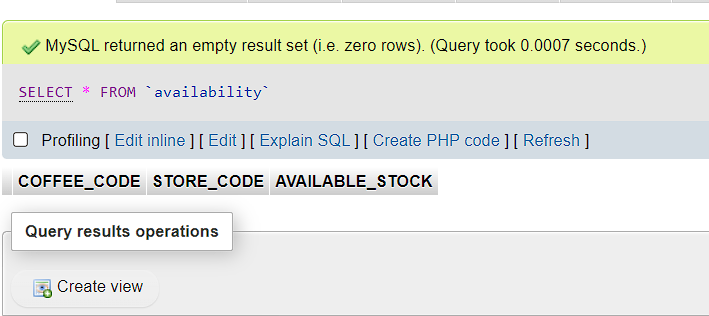
STORE\_CODE VARCHAR(5) NOT NULL,

AVAILABLE\_STOCK SMALLINT NOT NULL,

CONSTRAINT FK\_AVAILABILITY\_COFFEE FOREIGN KEY (COFFEE\_CODE) REFERENCES COFFEE(COFFEE\_CODE),

CONSTRAINT FK\_AVAILABILITY\_STORES FOREIGN KEY (STORE\_CODE) REFERENCES STORES(STORE\_CODE)

);



***Question 2***

INSERT INTO COFFEE (COFFEE\_CODE, COFFEE\_NAME, COFFEE\_BRAND, STRENGTH, PRICE)

VALUES

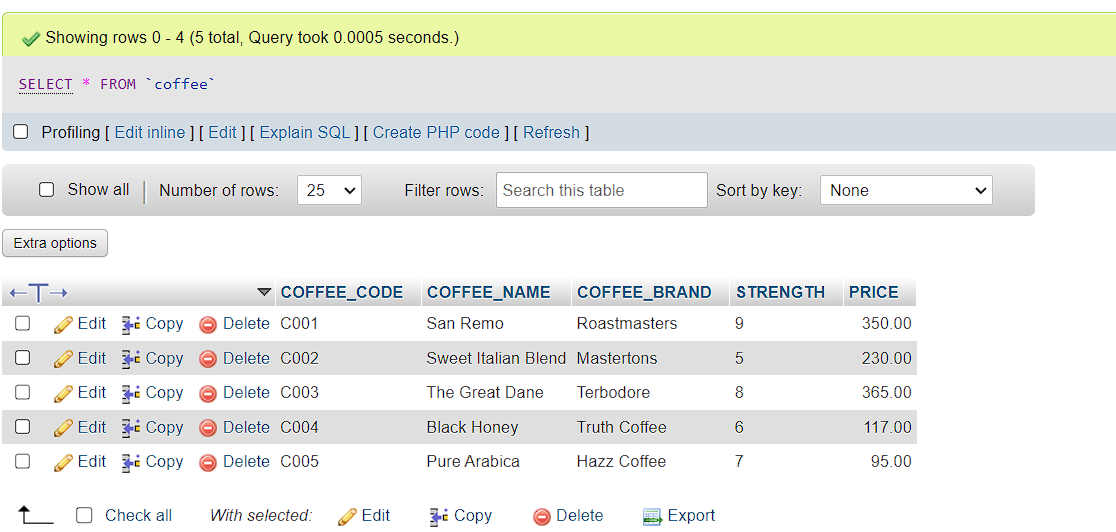
('C001', 'San Remo', 'Roastmasters', '9', '350'),

('C002', 'Sweet Italian Blend', 'Mastertons', '5', '230'),

('C003', 'The Great Dane', 'Terbodore', '8', '365'),

('C004', 'Black Honey', 'Truth Coffee', '6', '117'),

('C005', 'Pure Arabica', 'Hazz Coffee', '7', '95');



INSERT INTO STORES (STORE\_CODE, STORE\_NAME, ADDRESS, CITY)

VALUES

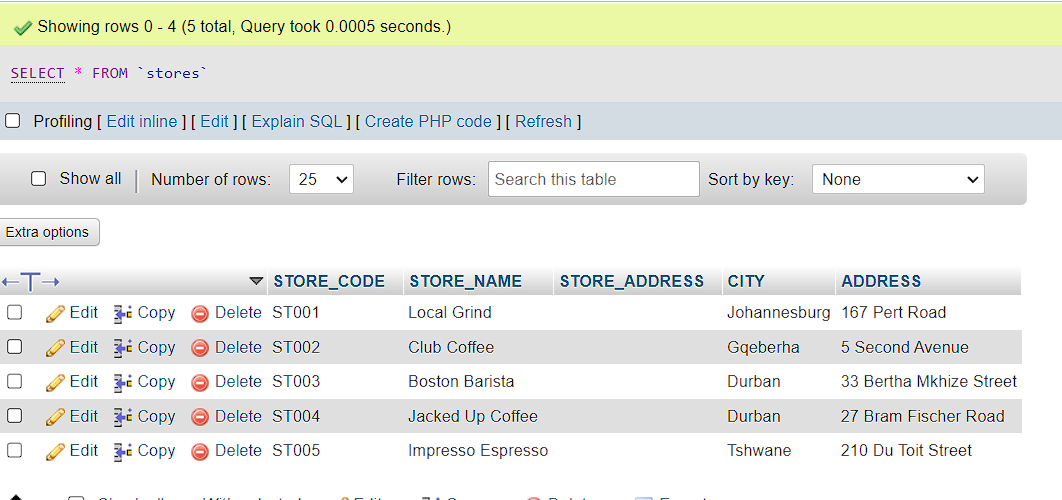
('ST001', 'Local Grind', '167 Pert Road', 'Johannesburg'),

('ST002', 'Club Coffee', '5 Second Avenue', 'Gqeberha'),

('ST003', 'Boston Barista', '33 Bertha Mkhize Street', 'Durban'),

('ST004', 'Jacked Up Coffee', '27 Bram Fischer Road', 'Durban'),

('ST005', 'Impresso Espresso', '210 Du Toit Street', 'Tshwane');



INSERT INTO AVAILABILITY

(COFFEE\_CODE, STORE\_CODE, AVAILABLE\_STOCK)

VALUES

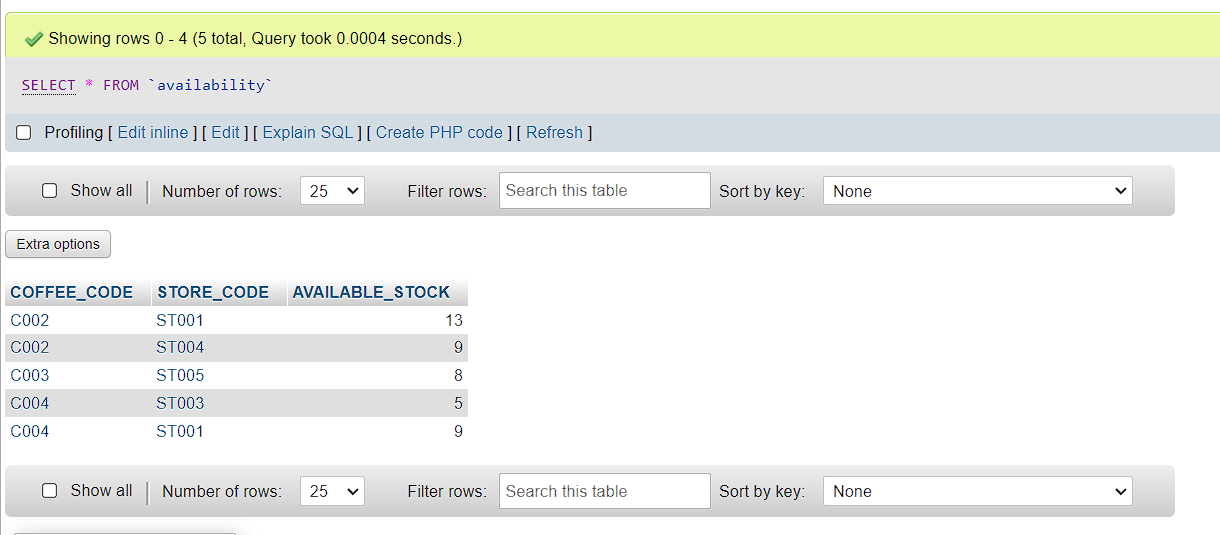
('C002', 'ST001', '13'),

('C002', 'ST004', '9'),

('C003', 'ST005', '8'),

('C004', 'ST003', '5'),

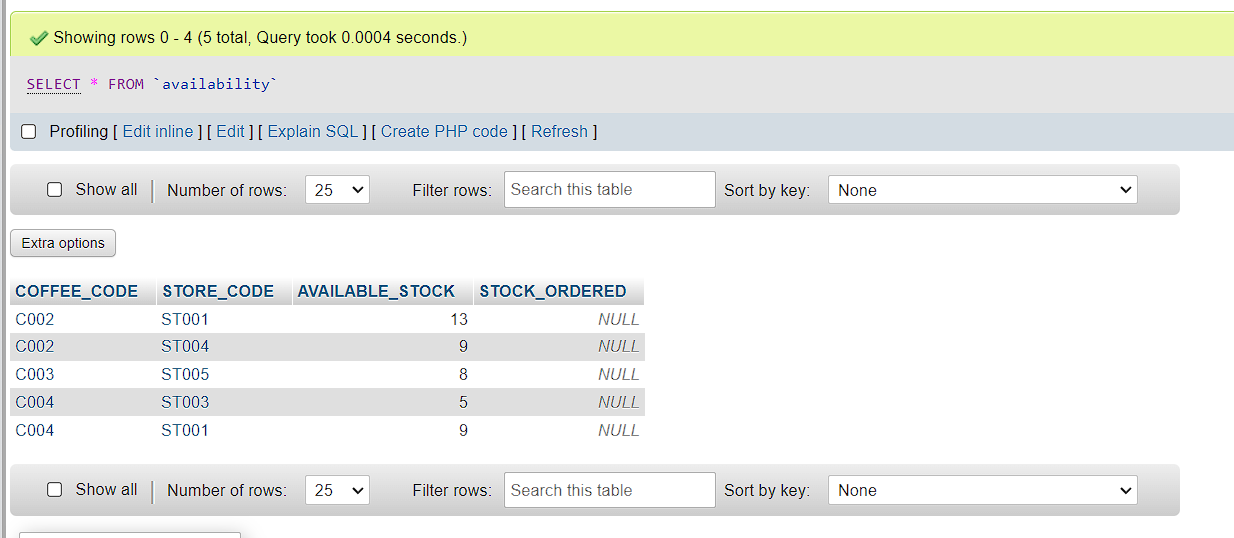
('C004', 'ST001', '9');



***Question 3***

ALTER TABLE AVAILABILITY

ADD STOCK\_ORDERED SMALLINT;

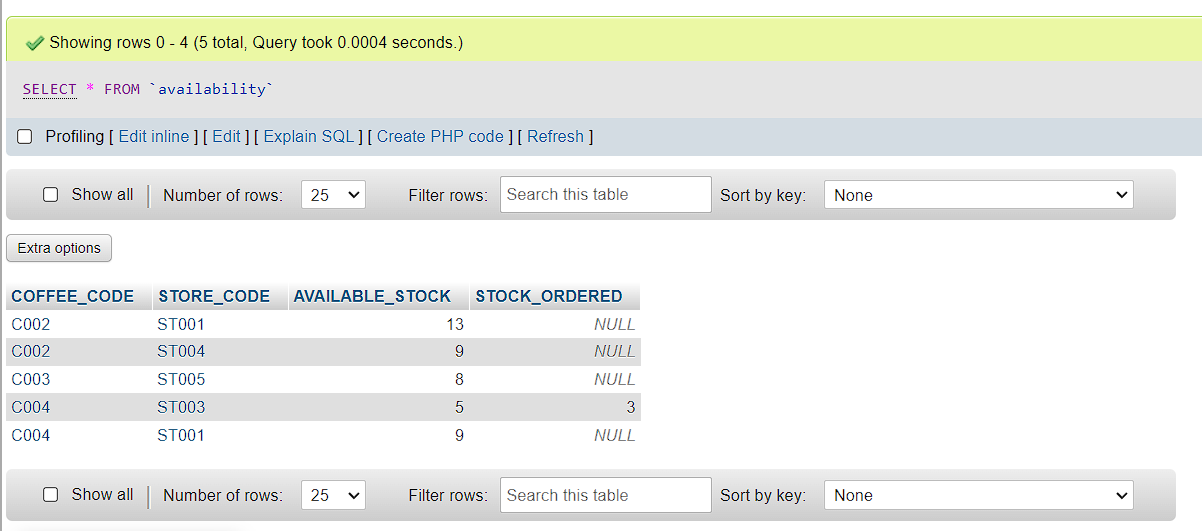


***Question 4***

UPDATE AVAILABILITY

SET STOCK\_ORDERED=3

WHERE COFFEE\_CODE= 'C004' AND STORE\_CODE='ST003';



***Question 5***

SELECT COFFEE.COFFEE\_NAME,

COFFEE.COFFEE\_BRAND,

AVAILABILITY.AVAILABLE\_STOCK

FROM COFFEE

LEFT JOIN AVAILABILITY ON

COFFEE.COFFEE\_CODE = AVAILABILITY.COFFEE\_CODE;

