LAP #2

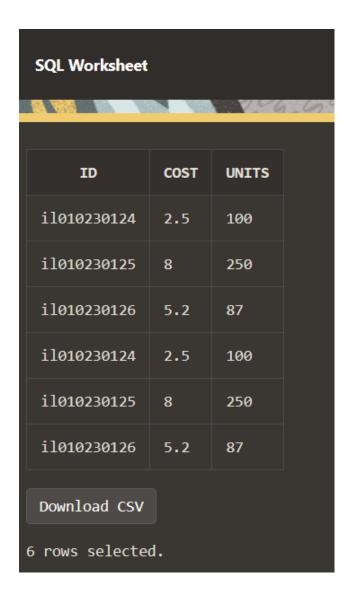
NAME: AMMAR YASSER SALAH MATRIX NO: A22EC3001

SECTION: 03

```
    PART 1
```

1)
CREATE TABLE inventory_list(
id VARCHAR(12),
cost NUMBER(2,1),
units NUMBER(3)
);

INSERT INTO inventory_list (id, cost, units) VALUES('il010230124', 2.5, 100); INSERT INTO inventory_list (id, cost, units) VALUES('il010230125', 7.99, 250); INSERT INTO inventory_list (id, cost, units) VALUES('il010230126', 5.24, 87); INSERT INTO inventory_list (id, cost, units) VALUES('il010230127', 18.95, 65); INSERT INTO inventory_list (id, cost, units) VALUES('il010230128', 97.46, 8);



```
CREATE TABLE items(
 itm number VARCHAR(15),
  name VARCHAR(10),
       description VARCHAR(45),
       category VARCHAR(15),
       color VARCHAR(10),
       "Size" VARCHAR(1),
       ilt_id VARCHAR(15)
);
INSERT INTO items (itm_number, name, description, category, color, "Size", ilt_id)
VALUES('im01101044', 'gloves', 'catcher mitt', 'clothing', 'brown', 'm', 'il010230124');
INSERT INTO items (itm_number, name, description, category, color, "Size", ilt_id)
       VALUES('im01101045', 'under shirt', 'top worn under the game top', 'clothing',
'white', 's', 'il010230125');
INSERT INTO items (itm_number, name, description, category, color, "Size", ilt_id)
       VALUES('im01101046', 'socks', 'team socks with emblem', 'clothing', 'range',
'l', 'il010230126');
```

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	ITM_NUMBER	NAME	DESCRIPTION	CATEGORY	COLOR	Size	ILT_ID
	im01101044	gloves	catcher mitt	clothing	brown	m	il010230124
	im01101045	under shirt	top worn under the game top	clothing	white		il010230125
	im01101046	socks	team socks with emblem	clothing	range	1	il010230126
	im01101047	game top	team shirt with emblem	clothing	range	m	il010230127
	im01101048	premium bat	high quaity basball bat	equipment	-	-	il010230128

```
CREATE TABLE price_history (
    start_date DATE,
    start_time TIMESTAMP,
    price NUMBER(5,2),
    end_date DATE,
    end_time TIMESTAMP,
    itm_number VARCHAR(15)
);
```

'il010230128'):

INSERT INTO price_history (start_date, start_time, price, itm_number) VALUES(TO_DATE('17-Jun-2017', 'DD-MM-YYYY'), TO_DATE('17-Jun-2016 09:00:00', 'DD-MM-YYYY hh24:mi:ss'), 4.99, 'im01101044');

INSERT INTO price_history (start_date, start_time, price, end_date, end_time, itm_number)

VALUES(TO_DATE('25-Nov-2016', 'DD-MM-YYYY'), TO_DATE('25-Nov-2016 09:00:00', 'DD-MM-YYYY hh24:mi:ss'), 14.99, TO_DATE('25-Jan-2017', 'DD-MM-YYYY'), TO_DATE('25-Jan-2017 17:00:00', 'DD-MM-YYYY hh24:mi:ss'),'im01101045');

INSERT INTO price_history (start_date, start_time, price, end_date, end_time, itm_number)

VALUES(TO_DATE('25-Jan-2017', 'DD-MM-YYYY'), TO_DATE('25-Jan-2017 17:01:00', 'DD-MM-YYYY hh24:mi:ss'), 8.99, TO_DATE('25-Jan-2017', 'DD-MM-YYYY'), TO_DATE('25-Jan-2017 19:00:00', 'DD-MM-YYYY hh24:mi:ss'), 'im01101045'); INSERT INTO price_history (start_date, start_time, price, itm_number)

VALUES(TO_DATE('26-Jan-2017', 'DD-MM-YYYY'), TO_DATE('26-Jan-2017 09:00:00', 'DD-MM-YYYY hh24:mi:ss'), 15.99, 'im01101045');

INSERT INTO price_history (start_date, start_time, price, itm_number)

VALUES(TO_DATE('12-Feb-2017', 'DD-MM-YYYY'), TO_DATE('12-Feb-2017 12:30:00', 'DD-MM-YYYY hh24:mi:ss'), 7.99, 'im01101046');

INSERT INTO price_history (start_date, start_time, price, itm_number) VALUES(TO_DATE('25-Apr-2017', 'DD-MM-YYYY'), TO_DATE('25-Apr-2017', 'DD-MM-YYYY'), 'DD-MM-YYYY');

INSERT INTO price_history (start_date, start_time, price, itm_number) VALUES(TO_DATE('31-May-2017', 'DD-MM-YYYY'), TO_DATE('31-May-2017' 16:35:30', 'DD-MM-YYYY hh24:mi:ss'), 149.00, 'im01101048');

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START_DATE	START_TIME	PRICE	END_DATE	END_TIME	ITM_NUMBER
17-JUN-17	17-JUN-16 09.00.00.000000 AM	4.99			im01101044
25-NOV-16	25-NOV-16 09.00.00.000000 AM	14.99	25- JAN-17	25-JAN-17 05.00.00.000000 PM	im01101045
25-JAN-17	25-JAN-17 05.01.00.000000 PM	8.99	25- JAN-17	25-JAN-17 07.00.00.000000 PM	im01101045
26-JAN-17	26-JAN-17 09.00.00.000000 AM	15.99			im01101045
12-FEB-17	12-FEB-17 12.30.00.000000 PM	7.99			im01101046
25-APR-17	25-APR-17 10.10.10.000000 AM	24.99			im01101047
31-MAY-17	31-MAY-17 04.35.30.000000 PM	149			im01101048

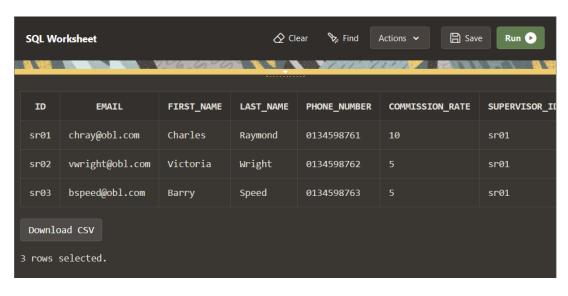
```
id VARCHAR(10),
email VARCHAR(55),
first_name VARCHAR(50),
last_name VARCHAR(50),
phone_number VARCHAR(15),
commission_rate NUMBER(5,2),
supervisor_id VARCHAR(10)
);

INSERT INTO sales_representatives (id, email, first_name, last_name,
phone_number, commission_rate, supervisor_id)
VALUES('sr01', 'chray@obl.com', 'Charles', 'Raymond', '0134598761', 10, 'sr01');
INSERT INTO sales_representatives (id, email, first_name, last_name,
phone_number, commission_rate, supervisor_id)
VALUES('sr02', 'vwright@obl.com', 'Victoria', 'Wright', '0134598762', 5, 'sr01');
```

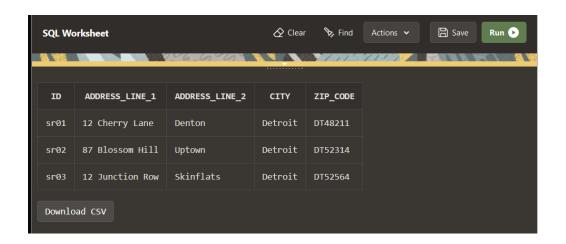
CREATE TABLE sales_representatives (

INSERT INTO sales_representatives (id, email, first_name, last_name, phone_number, commission_rate, supervisor_id)

VALUES('sr03', 'bspeed@obl.com', 'Barry', 'Speed', '0134598763', 5, 'sr01');

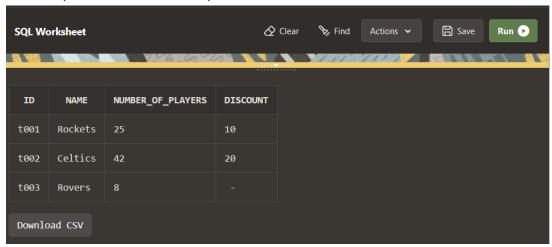


```
CREATE TABLE sales_rep_addresses (
              id VARCHAR(10),
              address_line_1 VARCHAR(55),
              address_line_2 VARCHAR(55),
              city VARCHAR(50),
              zip_code VARCHAR(10)
       );
       INSERT INTO sales rep addresses (id, address line 1, address line 2, city,
zip_code)
       VALUES('sr01', '12 Cherry Lane', 'Denton', 'Detroit', 'DT48211');
       INSERT INTO sales_rep_addresses (id, address_line_1, address_line_2, city,
zip_code)
       VALUES('sr02', '87 Blossom Hill', 'Uptown', 'Detroit', 'DT52314');
       INSERT INTO sales_rep_addresses (id, address_line_1, address_line_2, city,
zip_code)
       VALUES('sr03', '12 Junction Row', 'Skinflats', 'Detroit', 'DT52564');
```



```
CREATE TABLE teams (
    id VARCHAR(10),
    name VARCHAR(255),
    number_of_players NUMBER(2),
    discount NUMBER(2)
);
INSERT INTO teams (id, name, number_of_players, discount)
VALUES('t001', 'Rockets', 25, 10);
INSERT INTO teams (id, name, number_of_players, discount)
VALUES('t002', 'Celtics', 42, 20);
```

INSERT INTO teams (id, name, number_of_players, discount) VALUES('t003', 'Rovers', 8, null);



```
CREATE TABLE customers (
ctr_number VARCHAR(10),
email VARCHAR(55),
first_name VARCHAR(50),
last_name VARCHAR(50),
```

```
phone number VARCHAR(15),
              current_balance NUMBER(10, 2),
              sre id VARCHAR(10),
              tem_id VARCHAR(10),
              loyalty card number VARCHAR(10)
       );
       INSERT INTO customers (ctr number, email, first name, last name, phone number,
       current_balance, sre_id, tem_id, loyalty_card_number)
       VALUES('c00001', 'bob.thornberry@heatmail.com', 'Robert', 'Thornberry',
'01234567898', 150.00, 'sr01', 't001', null);
       INSERT INTO customers (ctr_number, email, first_name, last_name, phone_number,
current_balance, loyalty_card_number)
       VALUES('c00012', 'Jjones@freemail.com', 'Jennifer', 'Jones', '01505214598', 0.00,
'lc1015');
       INSERT INTO customers (ctr number, email, first name, last name, phone number,
current_balance, sre_id, tem_id)
       VALUES('c00101', 'unknown@here.com', 'John', 'Doe', '03216547808', 987.50, 'sr01',
't002');
       INSERT INTO customers (ctr_number, email, first_name, last_name, phone_number,
current_balance, loyalty_card_number)
       VALUES('c00103', 'MurciaA@globaltech.com', 'Andrew', 'Murcia', '07715246890',
85.00, 'lc2341');
```

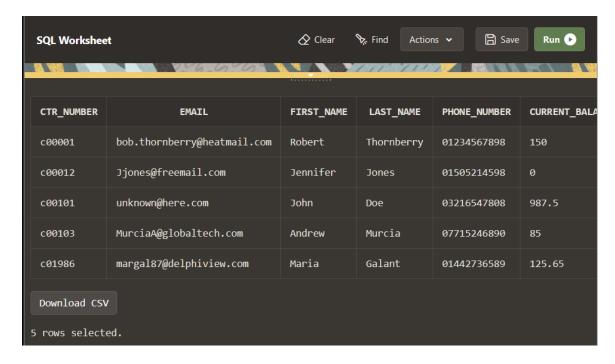
INSERT INTO customers (ctr number, email, first name, last name, phone number,

VALUES('c01986', 'margal87@delphiview.com', 'Maria', 'Galant', '01442736589',

current_balance, sre_id, tem_id)

, 'sr03', 't003');

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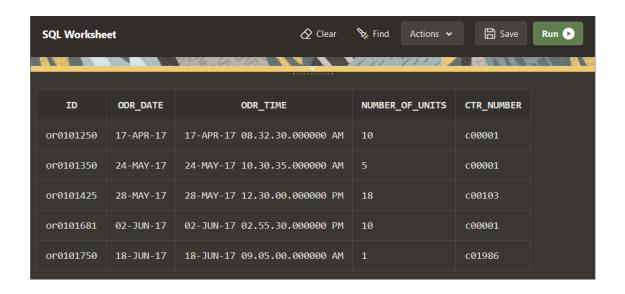
```
CREATE TABLE customers addresses (
              id VARCHAR(10),
              address_line_1 VARCHAR(255),
              address line 2 VARCHAR(255),
              city VARCHAR(50),
              zip_code VARCHAR(10),
              ctr number VARCHAR(10)
       INSERT INTO customers_addresses (id, address_line_1, address_line_2, city,
zip code, ctr number)
       VALUES('ca0101', '83 Barrhill Drive', null, 'Liverpool', 'LP79HJK', 'c00001');
       INSERT INTO customers addresses (id, address line 1, address line 2, city,
zip_code, ctr_number)
       VALUES('ca0102', '17 Gartsquare Road', 'Starford', 'Liverpool', 'LP89JHK', 'c00001');
       INSERT INTO customers addresses (id, address line 1, address line 2, city,
zip_code, ctr_number)
       VALUES('ca0103', '54 Ropehill Crescent', 'Georgetown', 'Star', 'ST45AGV', 'c00101');
       INSERT INTO customers_addresses (id, address_line_1, address_line_2, city,
zip code, ctr number)
       VALUES('ca0104', '36 Watercress Lane', null, 'Jump', 'JP23YTH', 'c01986');
       INSERT INTO customers addresses (id, address line 1, address line 2, city,
```

VALUES('ca0105', '63 Acacia Drive', 'Skins', 'Liverpool', 'LP83JHR', 'c00001');

zip_code, ctr_number)



```
CREATE TABLE orders (
             id VARCHAR(20),
             odr date DATE,
             odr_time TIMESTAMP,
             number_of_units NUMBER(2),
             ctr number VARCHAR(10)
      );
      INSERT INTO orders (id, odr_date, odr_time, number_of_units, ctr_number)
      VALUES('or0101350', TO_DATE('24-May-2017', 'DD-MM-YYYY'),
TO DATE('24-May-2017 10:30:35
      ', 'DD-MM-YYYY hh24:mi:ss'), 5, 'c00001');
      INSERT INTO orders (id, odr date, odr time, number of units, ctr number)
      VALUES('or0101425', TO_DATE('28-May-2017', 'DD-MM-YYYY'),
TO DATE('28-May-2017 12:30:00
      ', 'DD-MM-YYYY hh24:mi:ss'), 18, 'c00103');
      INSERT INTO orders (id, odr date, odr time, number of units, ctr number)
      VALUES('or0101681', TO_DATE('02-Jun-2017', 'DD-MM-YYYY'),
TO_DATE('02-Jun-2017 14:55:30
      ', 'DD-MM-YYYY hh24:mi:ss'), 10, 'c00001');
      INSERT INTO orders (id, odr date, odr time, number of units, ctr number)
      VALUES('or0101750', TO DATE('18-Jun-2017', 'DD-MM-YYYY'),
TO DATE('18-Jun-2017 09:05:00
      ', 'DD-MM-YYYY hh24:mi:ss'), 1, 'c01986');
```

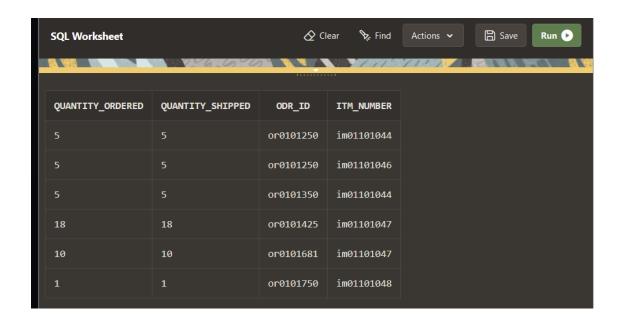


```
CREATE TABLE ordered items (
             quantity_ordered NUMBER(2),
             quantity_shipped NUMBER(2),
             odr id VARCHAR(20),
             itm number VARCHAR(20)
      );
      INSERT INTO ordered_items (quantity_ordered, quantity_shipped, odr_id,
itm_number)
      VALUES(5, 5, 'or0101250', 'im01101044');
      INSERT INTO ordered items (quantity ordered, quantity shipped, odr id,
itm_number)
      VALUES(5, 5, 'or0101250', 'im01101046');
      INSERT INTO ordered_items (quantity_ordered, quantity_shipped, odr_id,
itm number)
      VALUES(5, 5, 'or0101350', 'im01101044');
      INSERT INTO ordered_items (quantity_ordered, quantity_shipped, odr_id,
itm number)
      VALUES(18, 18, 'or0101425', 'im01101047');
      INSERT INTO ordered_items (quantity_ordered, quantity_shipped, odr_id,
itm_number)
      VALUES(10, 10, 'or0101681', 'im01101047');
```

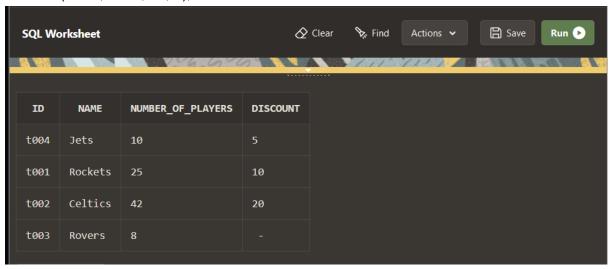
INSERT INTO ordered_items (quantity_ordered, quantity_shipped, odr_id,

VALUES(1, 1, 'or0101750', 'im01101048');

itm number)



2)
1- INSERT INTO teams (id, name, number_of_players, discount)
VALUES('t004', 'Jets', 10, 5);

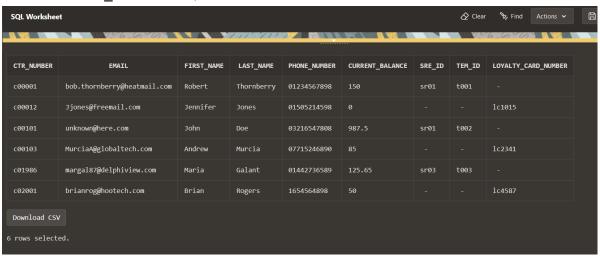


2- INSERT INTO customers (ctr_number, email, first_name, last_name, phone_number, current_balance, sre_id, tem_id, loyalty_card_number)

VALUES('c02001', 'brianrog@hootech.com', 'Brian', 'Rogers', 01654564898, -5, null, null, 'lc4587');



3- UPDATE customers SET current_balance = 50 WHERE current_balance = -5;



Name: Ammar Yasser Salah Matrix no: A22EC3001

Section: A22EC3001

PART #2

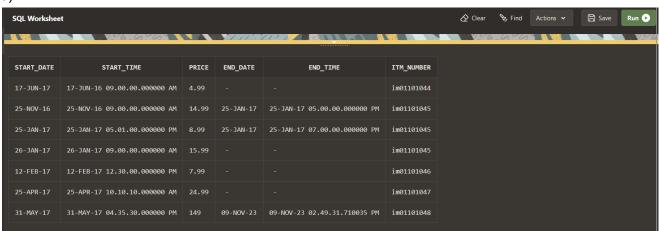
- PART 1 Updating rows to the system

1)

START_DATE	TO_CHAR(START_TIME, 'HH24:MI:SS')	PRICE	END_DATE	TO_CHAR(END_TIME, 'HH24:MI')
17-JUN-17	09:00:00	4.99		
25-NOV-16	09:00:00	14.99	25-JAN-17	17:00
25-JAN-17	17:01:00	8.99	25-JAN-17	19:00
26-JAN-17	09:00:00	15.99		
12-FEB-17	12:30:00	7.99		
25-APR-17	10:10:10	24.99		
31-MAY-17	16:35:30	149		

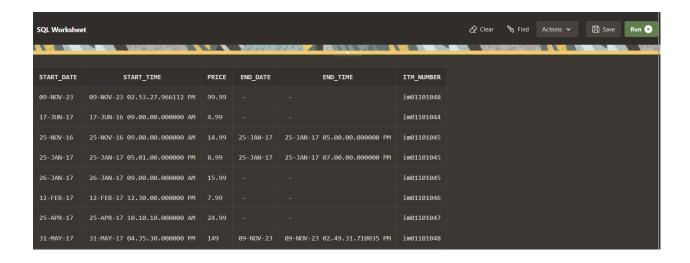
2)
UPDATE price_history
SET end_date = SYSDATE, end_time = SYSTIMESTAMP
WHERE itm_number = 'im01101048' AND end_time is null;

3)



4)
INSERT INTO price_history (start_date, start_time, price, itm_number)
VALUES(SYSDATE, SYSTIMESTAMP, 99.99, 'im01101048')

5)



-PART 2 Deleting rows from the system

1)
DELETE FROM customers_addresses
WHERE address_line_1 = '83 Barrhill Drive';

2)

