

Nicoloz Tbileli

LAB 3 part 2

part 3

1.

```
597
598 SELECT
599   inv_id, alp_color
600 FROM
601   alp_inventory
602 WHERE
603   alp_color = (SELECT
604                  alp_color
605                FROM
606                  alp_inventory
607                WHERE
608                  inv_id = 23);
609
610
611
612
613
614
615
616
617
618
```

Database Console: projectonev2@localhost x

Output projectonev2.alp_inventory x

4 rows

	inv_id	alp_color
1	23	Green
2	24	Green
3	25	Green
4	26	Green

2.

```
609
610 ##2
611
612 SELECT inv_id,price
613 FROM alp_inventory
614 WHERE price > (SELECT AVG(price) FROM alp_inventory ) ;
615
```

Database Console: projectonev2@localhost x

Output projectonev2.alp_inventory x

6 rows

	inv_id	price
1	1	274.99
2	2	274.99
3	23	199.95
4	24	199.95
5	25	209.95
6	26	209.95

3.

```

6  ##3
7  select inv_id ,description,item_size,price
8  from alp_inventory
9  INNER JOIN alp_item
10 On alp_inventory.item_id=alp_item.item_id

```

Database Console: projectonev2@localhost x

Output Result 4 x

26 rows

	inv_id	description	item_size	price
1	1	3-Season Tent	<null>	274.99
2	2	3-Season Tent	<null>	274.99
3	3	Women's Hiking Shorts	S	32.95
4	4	Women's Hiking Shorts	M	32.95
5	5	Women's Hiking Shorts	L	32.95
6	6	Women's Hiking Shorts	S	32.95
7	7	Women's Hiking Shorts	M	32.95
8	8	Women's Hiking Shorts	L	32.95
9	9	Women's Fleece Pullover	S	64.95
10	10	Women's Fleece Pullover	M	64.95
11	11	Women's Fleece Pullover	L	64.95
12	12	Women's Fleece Pullover	S	64.95
13	13	Women's Fleece Pullover	M	64.95
14	14	Women's Fleece Pullover	L	64.95
15	15	Children's Beachcomber Sandals	10	15.99
16	16	Children's Beachcomber Sandals	11	15.99
17	17	Children's Beachcomber Sandals	12	15.99
18	18	Children's Beachcomber Sandals	6	15.99
19	19	Children's Beachcomber Sandals	10	15.99
20	20	Children's Beachcomber Sandals	11	15.99
21	21	Children's Beachcomber Sandals	12	15.99
22	22	Children's Beachcomber Sandals	6	15.99
23	23	Men's Expedition Parka	S	199.95
24	24	Men's Expedition Parka	M	199.95
25	25	Men's Expedition Parka	L	209.95
26	26	Men's Expedition Parka	XL	209.95

4.

```
621
622    ##4
623    SELECT order_id,order_date,first,last
624    FROM alp_orders
625    inner join alp_customer
626    on alp_orders.cust_id=alp_customer.cust_id;
627
628
629
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637
638
```

Database Console: projectonev2@localhost x

Output Result 6 x

6 rows

	order_id	order_date	first	last
1	1	2007-10-10	Cindy	Jones
2	2	2007-10-31	Mitch	Edwards
3	3	2007-11-22	Betty	Sorenson
4	4	2007-11-29	Betty	Sorenson
5	5	2007-12-12	Alissa	White
6	6	2007-12-24	Alissa	White

5.

```
628 |
629 | ##5
630 | SELECT alp_orders.order_id, order_date
631 | from alp_orders
632 | INNER join alp_orderline
633 | on alp_orders.order_id= alp_orderline.order_id
634 | inner JOIN alp_inventory
635 | on alp_orderline.inv_id=alp_inventory.inv_id
636 | inner join alp_item
637 | on alp_item.item_id=alp_inventory.item_id
638 | where alp_item.description="Men's Expedition Parka";
639 |
640 | ##6
641 | select alp_inventory.inv_id, qty, (qty*price) as Extended
```

Database Console: projectonev2@localhost x

Output projectonev2.alp_orders x

2 rows

	order_id	order_date
1	4	2007-11-29
2	6	2007-12-24

6.

```

640  ##6
641  select alp_inventory.inv_id, qty, (qty*price) as Extended_Price
642  FROM alp_orders
643  INNER JOIN alp_orderline
644  on alp_orders.order_id = alp_orderline.order_id
645  INNER JOIN alp_inventory
646  on alp_orderline.inv_id=alp_inventory.inv_id
647  inner join alp_item
648  on alp_item.item_id=alp_inventory.item_id
649  where alp_orders.order_id=6;
650
651
652
653
654
655
656
657

```

Database Console: projectonev2@localhost x

Output

Result 25 x

		2 rows					
	inv_id	qty	Extended_Price				
1	10	1	64.95				
2	26	1	209.95				

7.

```
649 where alp_orders.order_id=0,  
650 ##7  
651 select item_id,sum(quantity_on_hand) AS NUMBERofITEMS  
652 FROM alp_inventory  
653 group by item_id  
654 order by item_id asc;  
655  
656
```

Database Console: projectonev2@localhost x

Output Result 26 x

5 rows

	item_id	NUMBERofITEMS
1	1	330
2	2	500
3	3	451
4	4	121
5	5	22

8.

```
655
656    ##8
657    SELECT alp_inventory.inv_id, SUM(qty) AS NumbersSold
658    FROM alp_inventory
659    INNER JOIN alp_orderline
660    on alp_inventory.inv_id=alp_orderline.inv_id
661    GROUP BY alp_inventory.inv_id
662    ORDER BY NumbersSold desc ;
663
```

Database Console: projectonev2@localhost ×

Output Result 28 ×

9 rows

	inv_id ↕	NumbersSold ↕
1	6	2
2	10	2
3	21	2
4	1	1
5	16	1
6	18	1
7	23	1
8	7	1
9	26	1

9.


```

664  ##9
665  SELECT alp_orders.order_id,first,last,SUM(order_price) AS Total
666  FROM alp_customer
667  inner JOIN alp_orders
668  On alp_customer.cust_id = alp_orders.cust_id
669  INNER JOIN alp_orderline
670  On alp_orderline.order_id=alp_orders.order_id
671  GROUP BY alp_orders.order_id;
672

```

Database Console: projectonev2@localhost x

Output Result 34 x

6 rows

	order_id	first	last	Total
1	1	Cindy	Jones	307.94
2	2	Mitch	Edwards	64.95
3	3	Betty	Sorenson	31.98
4	4	Betty	Sorenson	199.95
5	5	Alissa	White	48.94
6	6	Alissa	White	274.90

10.

```

666  ##10
667  select alp_inventory.inv_id,item_id,item_size,alp_color,price,quantity_on_hand
668  from alp_inventory
669  INNER JOIN alp_shipping
670  ON alp_inventory.inv_id=alp_shipping.inv_id
671  where date_rec is NULL;
672
673  ##11

```

Database Console: projectonev2@localhost x

Output projectonev2.alp_inventory x

8 rows

	inv_id	item_id	item_size	alp_color	price	quantity_on_hand
1	1	5	<null>	Sienna	274.99	14
2	2	5	<null>	Forest	274.99	8
3	5	1	L	Khaki	32.95	0
4	12	2	S	Coral	64.95	0
5	20	3	11	Red	15.99	35
6	22	3	6	Red	15.99	0
7	8	1	L	Olive	32.95	23
8	17	3	12	Blue	15.99	23

11.

```

668  ##11
669  select *from alp_backorder
670  inner join alp_inventory
671  on alp_backorder.inv_id=alp_inventory.inv_id;

```

Database Console: projectonev2@localhost x

Output Result 30 x

2 rows

	backorder_id	ship_id	inv_id	date_exp	qty_exp	date_rec	qty_rec	inv_id	item_id	item_size	alp_color	price	quantity_on_hand
1	1	9	24	2008-07-21	30	<null>	<null>	24	4	M	Green	199.95	17
2	2	10	25	2008-07-21	30	<null>	<null>	25	4	L	Green	209.95	0

12.

```

687  ##12
688  SELECT first,last,SUM(order_price)as OrderTotal
689  FROM alp_customer
690  INNER JOIN alp_orders
691  ON alp_customer.cust_id=alp_orders.cust_id
692  INNER JOIN alp_orderline
693  ON alp_orders.order_id=alp_orderline.order_id
694  WHERE alp_orders.order_id=5;
695

```

Database Console: projectonev2@localhost x

Output Result 35 x

1 row

	first	last	OrderTotal
1	Alissa	White	48.94

13.

```

677  ##13
678  SELECT inv_id,description,price,alp_color
679  from alp_inventory
680  inner join alp_item
681  on alp_item.item_id=alp_inventory.item_id
682  WHERE price=(select min(price)
683  from alp_inventory);
684
685  ##14
686
687
688  ##15
689
690
691

```

Database Console: projectonev2@localhost x

Output Result 31 x

8 rows

	inv_id	description	price	alp_color
1	15	Children's Beachcomber Sandals	15.99	Blue
2	16	Children's Beachcomber Sandals	15.99	Blue
3	17	Children's Beachcomber Sandals	15.99	Blue
4	18	Children's Beachcomber Sandals	15.99	Blue
5	19	Children's Beachcomber Sandals	15.99	Red
6	20	Children's Beachcomber Sandals	15.99	Red
7	21	Children's Beachcomber Sandals	15.99	Red
8	22	Children's Beachcomber Sandals	15.99	Red

14.

```

707  ##14
708  SELECT first,last,email,SUM(order_price) as OrderTotal
709  FROM alp_customer
710  INNER JOIN alp_orders
711  On alp_customer.cust_id=alp_orders.cust_id
712  INNER JOIN alp_orderline
713  ON alp_orderline.order_id=alp_orders.order_id
714  GROUP BY alp_orders.order_id;
715

```

Database Console: projectonev2@localhost x

Output Result 43 x

6 rows

	first	last	email	OrderTotal
1	Cindy	Jones	cjones@hotmail.com	307.94
2	Mitch	Edwards	medwards@gmail.com	64.95
3	Betty	Sorenson	betty1@yahoo.com	31.98
4	Betty	Sorenson	betty1@yahoo.com	199.95
5	Alissa	White	awhite@hotmail.com	48.94
6	Alissa	White	awhite@hotmail.com	274.90

15.

✓ Showing rows 0 - 6 (7 total, Query took 0.0060 seconds.)

```
SELECT first,last,email,SUM(order_price) as OrderTotal FROM alp_customer LEFT JOIN alp_orders On alp_customer.cust_id=alp_orders.cust_id LEFT JOIN alp_orderline ON alp_orderline.order_id=alp_orders.order_id GROUP BY alp_orders.order_id
```

☐ Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

☐ Show all | Number of rows: 25 | Filter rows: Search this table

+ Options

first	last	email	OrderTotal
Lee	Miller	leemiller@gmail.com	NULL
Cindy	Jones	cjones@hotmail.com	307.94
Mitch	Edwards	medwards@gmail.com	64.95
Betty	Sorenson	betty1@yahoo.com	31.98
Betty	Sorenson	betty1@yahoo.com	199.95
Alissa	White	awhite@hotmail.com	48.94
Alissa	White	awhite@hotmail.com	274.90

part 4

1.

```
742
743  ##1
744  DELIMITER $$
745  DROP PROCEDURE IF EXISTS updateinvent;
746  CREATE PROCEDURE updateinvent (IN inv_id INT, IN qty INT)
747  BEGIN UPDATE alp_inventory SET quantity_on_hand=quantity_on_hand+qty
748        WHERE alp_inventory.inv_id=inv_id;
749  END $$
750  DELIMITER ;
```

Database Console: projectonev2@localhost x

Output projectonev2.alp_orders x

```
END
[2019-03-18 21:48:54] completed in 6 ms
sql> DROP PROCEDURE IF EXISTS updateinvent
[2019-03-18 21:49:06] completed in 7 ms
sql> CREATE PROCEDURE updateinvent (IN inv_id INT, IN qty INT)
      BEGIN UPDATE alp_inventory SET quantity_on_hand=quantity_on_hand+qty
            WHERE alp_inventory.inv_id=inv_id;
      END
[2019-03-18 21:49:14] completed in 5 ms
```

2.

```

1 DELIMITER $$
2 DROP PROCEDURE IF EXISTS sp_UpdateInventory$$
3 CREATE PROCEDURE sp_InsertOrder(IN order_date date, IN payment varchar(255), IN cust_id INT, IN alp_ordersource
  varchar(255))
4 BEGIN
5 INSERT alp_orders(order_date, payment, cust_id, alp_ordersource)
6 VALUES (order_date, payment, cust_id, alp_ordersource);
7 END$$
8 DELIMITER ;

```

Online Query Editor

✓ MySQL returned an empty result set (i.e. zero rows). (Query took 0.0017 seconds.)

DROP PROCEDURE IF EXISTS sp_UpdateInventory

[Edit inline] [Edit] [Create PHP code]

✓ MySQL returned an empty result set (i.e. zero rows). (Query took 0.0037 seconds.)

CREATE PROCEDURE sp_InsertOrder(IN order_date date, IN payment varchar(255), IN cust_id INT, IN alp_ordersource varchar(255)) BEGIN INSERT alp_orders(order_date, payment, cust_id, alp_ordersource) VALUES (order_date, payment, cust_id, alp_ordersource); END

[Edit inline] [Edit] [Create PHP code]

3.

```

723
724 ##3
725 DELIMITER $$
726 DROP PROCEDURE IF EXISTS ip_updatecolor;
727 CREATE PROCEDURE ip_updatecolor (IN initial_color varchar(40),IN color_new varchar(40))
728 BEGIN UPDATE alp_inventory SET alp_color=color_new
729 WHERE alp_inventory.alp_color=initial_color;
730 END $$
731 DELIMITER ;
732
733 ##2

```

Database Console: projectonev2@localhost x

Output projectonev2.alp_orders x

```

[2019-03-18 21:50:19] [42000] [1064] You have an error in your SQL syntax; check the manual that corresponds to your MySQL server
sql> DROP PROCEDURE IF EXISTS ip_updatecolor
[2019-03-18 21:50:33] completed in 6 ms
sql> CREATE PROCEDURE ip_updatecolor (IN initial_color varchar(40),IN color_new varchar(40))
BEGIN UPDATE alp_inventory SET alp_color=color_new
WHERE alp_inventory.alp_color=initial_color;
END
[2019-03-18 21:50:37] completed in 5 ms

```

4.

```

752  ##4
753  DELIMITER $$
754  DROP PROCEDURE IF EXISTS cancorder;
755  CREATE PROCEDURE cancorder (IN input_id INT)
756  BEGIN
757  Delete FROM alp_orders where order_id=input_id;
758  DELETE FROM alp_orderline
759  WHERE alp_orderline.order_id=input_id;
760  END$$
761  DELIMITER ;

```

Database Console: projectonev2@localhost x

Output projectonev2.alp_orders x

```

[2019-03-18 21:56:18] [42000][1064] You have an error in your SQL syntax; check the manual that corresponds
sql> CREATE PROCEDURE cancorder (IN input_id INT)
BEGIN
Delete FROM alp_orders where order_id=input_id;
DELETE FROM alp_orderline
WHERE alp_orderline.order_id=input_id;
END
[2019-03-18 21:56:30] completed in 5 ms
sql> DROP PROCEDURE IF EXISTS cancorder
[2019-03-18 21:56:33] completed in 5 ms

```

5.

```

764  ##5
765  DELIMITER $$
766  DROP PROCEDURE IF EXISTS CalOrdTotal;
767  CREATE PROCEDURE CalOrdTotal (IN order_id INT,OUT order_total double)
768  BEGIN
769  select order_total=alp_orderline.qty*alp_orderline.order_price
770  FROM alp_orderline
771  WHERE alp_orderline.order_id=order.id;
772  END$$
773  DELIMITER ;

```

Database Console: projectonev2@localhost x

Output projectonev2.alp_orders x

```

[2019-03-18 22:09:42] [42000][1064] You have an error in your SQL syntax; check the manual that corresponds to your MySQL
[2019-03-18 22:09:42] [42000][1064] You have an error in your SQL syntax; check the manual that corresponds to your MySQL
[2019-03-19 03:26:37] Connected
sql> use projectonev2
[2019-03-19 03:26:37] completed in 3 ms
sql> CREATE PROCEDURE CalOrdTotal (IN order_id INT,OUT order_total double)
BEGIN
select order_total=alp_orderline.qty*alp_orderline.order_price
FROM alp_orderline
WHERE alp_orderline.order_id=order.id;
END
[2019-03-19 03:26:37] completed in 12 ms
sql> DROP PROCEDURE IF EXISTS CalOrdTotal
[2019-03-19 03:26:45] completed in 8 ms

```

Trigger

Add trigger

Details

Trigger name

trigger_upInvent

Table

alp_inventory

Time

AFTER

Event

UPDATE

Definition

```
1 BEGIN
2 IF (NEW.quantity_on_hand <5) THEN
3 INSERT INTO alp_shipping(inv_id,data_exp,qty_exp)
4 VALUES(NEW.inv_id,'2019-03-20',30)
5 END IF;
6 END
```

Definer

root@localhost

Go

Close