**ДЗ\_12**

**ALTER** **TABLE** opps **ADD** **COLUMN** product\_id **BIGINT** **UNSIGNED**;

**ALTER** **TABLE** easy\_sale.products **MODIFY** **COLUMN** id **BIGINT** **unsigned** **auto\_increment** **PRIMARY** **KEY**;

**ALTER** **TABLE** opps **ADD** **CONSTRAINT** fk\_product\_id

**FOREIGN** **KEY** (product\_id) **REFERENCES** products(id)

;

**ALTER** **TABLE** easy\_sale.products **MODIFY** **COLUMN** created\_at **datetime** **DEFAULT** **NOW**() **NULL**;

**INSERT** **INTO** easy\_sale.products

(name, description, price, created\_at)

**VALUES**

('Panasonic', 'Personal computer', 345, **CURRENT\_TIMESTAMP**),

('Hitachi', 'TV', 500, **CURRENT\_TIMESTAMP**),

('Toshiba', 'Music senter', 299, **CURRENT\_TIMESTAMP**),

('Sumsung', 'Smart phone', 200, **CURRENT\_TIMESTAMP**),

('Nokia', 'Notebook', 1000, **CURRENT\_TIMESTAMP**),

('Visual', 'Smart watch', 200, **CURRENT\_TIMESTAMP**),

('Sony', 'Notebook', 2000, **CURRENT\_TIMESTAMP**),

('Huawai', 'Smart phone', 199, **CURRENT\_TIMESTAMP**),

('Bolo', 'Frigde', 740, **CURRENT\_TIMESTAMP**),

('Gojo', 'Washing machine', 650, **CURRENT\_TIMESTAMP**)

;

**ALTER** **TABLE** opps **DROP** **FOREIGN** **KEY** fk\_product\_id;

**ALTER** **TABLE** opps **DROP** **COLUMN** product\_id;

**ALTER** **TABLE** offers **ADD** **COLUMN** product\_id **BIGINT** **UNSIGNED**;

**ALTER** **TABLE** offers **ADD** **CONSTRAINT** fk\_product\_id

**FOREIGN** **KEY** (product\_id) **REFERENCES** products(id)

;

**CREATE** **OR** **REPLACE** **VIEW** qualification (id, name, comment)

**AS** **SELECT** opp\_id, opp\_name, comment **FROM** opps;

**SELECT** \* **FROM** qualification;

**CREATE** **OR** **REPLACE** **VIEW** offers\_made (id, name, payment, total)

**AS** **SELECT** offer\_id, products, payment\_terms, total **FROM** offers **ORDER** **BY** total **DESC**;

**SELECT**

opp\_id,

opp\_name,

(**SELECT** total **FROM** offers **WHERE** offers.opp\_id=opps.opp\_id **AND** total>500) **AS** total,

(**SELECT** first\_name **FROM** easy\_sale.contacts **WHERE** contacts.id =opps.contact\_id) **AS** name,

(**SELECT** last\_name **FROM** easy\_sale.contacts **WHERE** contacts.id =opps.contact\_id) **AS** family\_name

**FROM** opps

**ORDER** **BY** total **DESC**

;

**SELECT**

opp\_id,

opp\_name,

(**SELECT** description **FROM** tasks **WHERE** tasks.id=opps.opp\_id) **AS** task\_description,

(**SELECT** deadline **FROM** tasks **WHERE** tasks.id=opps.opp\_id) **AS** deadline

**FROM** opps

**WHERE** opp\_status='proposal'

;

**SELECT**

o.opp\_id,

o.opp\_name **AS** name,

t.description,

t.deadline,

v.visit\_type,

offers.total

**FROM**

opps **AS** o

**JOIN** tasks **AS** t **ON** t.opp\_id =o.opp\_id

**JOIN** visits **AS** v **ON** v.opp\_id =o.opp\_id

**JOIN** offers **ON** offers.opp\_id =o.opp\_id

**WHERE** total > 1000

;

**SELECT**

o.opp\_id,

t.name,

t.last\_name,

id,

description

**FROM** tasks

**JOIN** opps **AS** o **ON** o.opp\_id=tasks.opp\_id **AND** o.opp\_status='proposal'

**JOIN** team **AS** t **ON** t.member\_id =team\_id

**WHERE** **NOW**()-deadline<0

;

**DELIMITER //**

**DROP** **PROCEDURE** **IF** **EXISTS** tasks\_run//

**CREATE** **PROCEDURE** tasks\_run ()

**BEGIN**

**DECLARE** i **INT** **DEFAULT** 3;

**WHILE** i > 0 DO

**SELECT** id **FROM** tasks ;

**SET** i = i - 1;

**END** **WHILE**;

**END**//

**CALL** tasks\_run();

**DELIMITER //**

**DROP** **TRIGGER** **IF** **EXISTS** check\_opps//

**CREATE** **TRIGGER** check\_opps **BEFORE** **DELETE** **ON** opps

**FOR** **EACH** **ROW**

**BEGIN**

**DECLARE** total **INT**;

**SELECT** **COUNT**(\*) **INTO** total **FROM** opps;

**IF** total <= 1 **THEN**

**SIGNAL** **SQLSTATE** '45000' **SET** MESSAGE\_TEXT = 'DELETE canceled';

**END** **IF**;

**END**//