

M02 – Base de datos

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1.

IF incR BETWEEN preuMax AND preuMin

THEN

UPDATE producte SET producte.preu = producte.preu*incR/100 WHERE
producte.preu BETWEEN preuMin AND preuMax

END IF;

✓ Routine `increment` has been created.

```
CREATE PROCEDURE `increment`(IN `incR` INT, IN `preuMax` INT, IN `preuMin` INT) NOT DETERMINISTIC NO SQL SQL SECURITY DEFINER IF  
incR BETWEEN preuMax AND preuMin THEN UPDATE producte SET producte.preu = producte.preu*incR/100 WHERE producte.preu BETWEEN  
preuMin AND preuMax; END IF;
```

[[Edit inline](#)] [[Edit](#)] [[Create PHP code](#)]

Routines

Name	Action	Type	Returns
<input type="checkbox"/> increment	Edit Execute Export Drop	PROCEDURE	

2.

CREATE TRIGGER `comprovar_preu` BEFORE UPDATE ON `producte` FOR EACH ROW
BEGIN

IF NEW.preu > 0 THEN SET NEW.preu = NEW.preu;

ELSEIF NEW.preu <= 0 THEN SET NEW.preu = OLD.preu;

END IF;

END;

✓ Trigger `comprovar_preu` has been modified.

```
DROP TRIGGER IF EXISTS `comprovar_preu`;CREATE DEFINER='root'@'localhost' TRIGGER `comprovar_preu` BEFORE UPDATE ON `producte` FOR EACH ROW BEGIN IF NEW.preu > 0 THEN SET NEW.preu = NEW.preu; ELSEIF NEW.preu <= 0 THEN SET NEW.preu = OLD.preu; END IF; END
```

[[Edit inline](#)] [[Edit](#)] [[Create PHP code](#)]

Triggers

Name	Table	Action	Time	Event
<input type="checkbox"/> comprovar_preu	producte	Edit Export Drop	BEFORE	UPDATE

↑ ☐ Check all With selected: [Export](#) [Drop](#)

New

[Add trigger](#)

Show query box

✓ 0 rows affected. (Query took 0.0008 seconds.)

```
UPDATE producte SET producte.preu = 0 WHERE producte.codprod = 1
```

☐ Show all | Number of rows: 25 | Filter rows:

Sort by key:

+ Options

				codprod	nomprod	preu
<input type="checkbox"/>	Edit	Copy	Delete	1	Disc extern 1TB	99.00
<input type="checkbox"/>	Edit	Copy	Delete	2	Disc extern 2TB	120.00
<input type="checkbox"/>	Edit	Copy	Delete	3	Unitat DVD	130.00
<input type="checkbox"/>	Edit	Copy	Delete	4	Altaveus	60.00
<input type="checkbox"/>	Edit	Copy	Delete	5	Mouse	15.00
<input type="checkbox"/>	Edit	Copy	Delete	6	Tablet I	150.00
<input type="checkbox"/>	Edit	Copy	Delete	7	Tablet II	450.00

Show query box

✓ 1 row affected. (Query took 0.0033 seconds.)

```
UPDATE producte SET producte.preu = 45 WHERE producte.codprod = 1
```

Sort by key: None

+ Options

					codprod	nomprod	preu
<input type="checkbox"/>		Edit		Copy		Delete	1 Disc extern 1TB 45.00
<input type="checkbox"/>		Edit		Copy		Delete	2 Disc extern 2TB 120.00
<input type="checkbox"/>		Edit		Copy		Delete	3 Unitat DVD 130.00
<input type="checkbox"/>		Edit		Copy		Delete	4 Altaveus 60.00
<input type="checkbox"/>		Edit		Copy		Delete	5 Mouse 15.00
<input type="checkbox"/>		Edit		Copy		Delete	6 Tablet I 150.00
<input type="checkbox"/>		Edit		Copy		Delete	7 Tablet II 450.00

SHOW query box

✓ 0 rows affected. (Query took 0.0008 seconds.)

```
UPDATE producte SET producte.preu = -69 WHERE producte.codprod = 1
```

Comprobamos que efectivamente al actualizar el producto, se verifica si el nuevo precio es positivo. Si fuera negativo o 0, se mantiene el precio, si es positivo se modifica correctamente.

Showing rows 0 - 19 (20 total, Query took 0.0003 seconds.)

`SELECT * FROM `producte``

☐ Profiling [[Edit inline](#)] [[Edit](#)] [[Explain SQL](#)] [[Create PHP code](#)] [[Ref](#)

☐ Show all | Number of rows: Filter rows:

Sort by key:

+ Options

				codprod	nomprod	preu
<input type="checkbox"/>				1	Disc extern 1TB	45.00
<input type="checkbox"/>				2	Disc extern 2TB	120.00
<input type="checkbox"/>				3	Unitat DVD	130.00
<input type="checkbox"/>				4	Altaveus	60.00
<input type="checkbox"/>				5	Mouse	15.00
<input type="checkbox"/>				6	Tablet I	150.00

3.

a)

```
mysql> SELECT PASSWORD('usuari1')
-> ;
+-----+
| PASSWORD('usuari1') |
+-----+
| *DBC47677F66A0B3D659D573F6937B0367AD3C42B |
+-----+
1 row in set, 1 warning (0.00 sec)

mysql> ^C
mysql> CREATE USER usuari1 IDENTIFIED BY PASSWORD '*DBC47677F66A0B3D659D573F6937B0367AD3C42B';
Query OK, 0 rows affected, 1 warning (0.02 sec)

mysql> █
```

	usuari1	%	Yes	USAGE	No	Edit privileges	Exp
<input type="checkbox"/>							

☐ Check all With selected: Export

b)

```
mysql> GRANT USAGE ON botiga.* TO usuari2@192.168.1.3 IDENTIFIED BY 'usuari2';
Query OK, 0 rows affected, 1 warning (0.00 sec)
```

```
mysql> GRANT SELECT, INSERT ON botiga.* TO usuari2@192.168.1.3;
Query OK, 0 rows affected (0.00 sec)
```

```
mysql>
```

<input type="checkbox"/>	usuari2	192.168.1.3	Yes	SELECT, INSERT	No	Edit privileges	Exp
↑	<input type="checkbox"/>	Check all	With selected: Export				

c)

```
mysql> SELECT PASSWORD ('usuari3');
+-----+
| PASSWORD ('usuari3') |
+-----+
| *804958E78B97D2E73E87316B78B9F9F26840C035 |
+-----+
1 row in set, 1 warning (0.00 sec)

mysql> ^C
mysql> CREATE USER usuari3 IDENTIFIED BY PASSWORD '*804958E78B97D2E73E87316B78B9F9F26840C035';
Query OK, 0 rows affected, 1 warning (0.00 sec)

mysql> GRANT ALL PRIVILEGES ON *.* TO usuari3 WITH GRANT OPTION;
Query OK, 0 rows affected (0.00 sec)

mysql> █
```

<input type="checkbox"/>	usuari3	%	Yes	ALL PRIVILEGES	Yes	Edit privileges	Exp
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d)

```
REVOKE ALL PRIVILEGES ON *.* FROM 'usuari2'@'192.168.1.3'; REVOKE GRANT
OPTION ON *.* FROM 'usuari2'@'192.168.1.3'; GRANT INSERT ON *.* TO
'usuari2'@'192.168.1.3' REQUIRE NONE WITH MAX_QUERIES_PER_HOUR 0
MAX_CONNECTIONS_PER_HOUR 0 MAX_UPDATES_PER_HOUR 0
MAX_USER_CONNECTIONS 0;
```

<input type="checkbox"/>	usuari2	192.168.1.3	Yes	INSERT	No	Edit privileges	Export
<input type="checkbox"/>	usuari3	%	Yes	ALL PRIVILEGES	Yes	Edit privileges	Export

e)

```
REVOKE ALL PRIVILEGES ON *.* FROM 'usuari3'@'%'; REVOKE GRANT OPTION ON
*.* FROM 'usuari3'@'%'; GRANT USAGE ON *.* TO 'usuari3'@'%' REQUIRE NONE
WITH MAX_QUERIES_PER_HOUR 0 MAX_CONNECTIONS_PER_HOUR 0
MAX_UPDATES_PER_HOUR 0 MAX_USER_CONNECTIONS 0;
```

<input type="checkbox"/>	usuari1	%	Yes	USAGE	No	 Edit privileges	 Export
<input type="checkbox"/>	usuari2	192.168.1.3	Yes	INSERT	No	 Edit privileges	 Export
<input type="checkbox"/>	usuari3	%	Yes	USAGE	No	 Edit privileges	 Export
<div> <input type="checkbox"/> Check all With selected:  Export</div>							

4.