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## **PLSQL**

### **CODE:**

```
ALTER TABLE WORKER ADD JoiningDate DATE;
```

```
use assignment; select * from product;
```

```
CREATE table WORKER( empid int, empname varchar(45), empsalary int, empdomain  
varchar(30), emp_age int);
```

```
INSERT into WORKER values
```

```
(20, 'Deepak', 20000, 'rpa', 23),
```

```
(17, 'Kumar', 17000, 'mech', 22),
```

```
(10, 'Raja', 30000, 'DA', 24),
```

```
(13, 'arun', 22000, 'DAT', 25),
```

```
(15, 'vasanth', 32000, 'AI', 27);
```

```
set sql_safe_updates=0;
```

```
UPDATE WORKER set JoiningDate='2019-12-21' WHERE empId = 20;
```

```
UPDATE WORKER set JoiningDate='2018-08-12' WHERE empId = 17;
```

```
UPDATE WORKER set JoiningDate='2017-07-12' WHERE empId = 10;
```

```
UPDATE WORKER set JoiningDate='2016-05-10' WHERE empId = 13;
```

```
UPDATE WORKER set JoiningDate='2015-04-09' WHERE empId = 15;
```

```
UPDATE WORKER set JoiningDate='2021-07-01' WHERE empId = 30;
```

```
create view JoiningDate as
```

```
select * from WORKER
```

```
where JoiningDate in (select min(JoiningDate) from WORKER);
```

```
select * from JoiningDate
```

```
/* Stored procedure to get products by giving id*/
```

```
-- .....STEP_1-.....-
```

```
use works;
```

```
....STEP_2.....
```

```
CREATE TABLE product(
```

```
productId int ,
```

```
productName varchar(30),
```

```
productQty int,
```

```
price int
```

```
);
```

```
....STEP-3.....insert into  
product value
```

```
(10 , 'laptop' , 5 , 25000),
```

```
(11 , 'Ram' , 6, 10000),
```

```
(12 , 'Motherboard' , 4, 20000),
```

```
(13 , 'PSU' , 7 , 15000);
```

```
....STEP-4.....DELIMITER //
```

```
create procedure getProduct(IN id int)
begin
select * from Product where productId = id;
end //

DELIMITER ;

DROP procedure getProduct;
```

...STEP-5.....

```
call getProduct(12);

/* Stored procedure to get all products*/

create database works;

use works;

CREATE TABLE product(
productId int ,
productName varchar(30),
productQty int,
price int
);

insert into product value
(10 , 'laptop' , 5 , 25000),
(11 , 'Ram' , 6, 10000),
(12 , 'Motherboard' , 4, 20000),
(13 , 'Psu' , 7 , 15000);
```

.....STEP-6.....-

DELIMITER //

create procedure getMYProducts()

begin

select \* from Product;

end //

DELIMITER ;

.....STEP-7.....

call getMYProducts;

/\* Stored procedure to return products where price condition \*/

create database works;

use works;

CREATE TABLE product(

productId int ,

productName varchar(30),

productQty int,

price int

);

insert into product value

(10 , 'laptop' , 5 , 25000),

(11 , 'Ram' , 6, 10000),

(13 , 'Motherboard' , 4, 20000),

```
(14 , 'Psu' , 7 , 15000);
```

```
.....STEP-8..... - select * from  
product
```

```
where price < 25000;
```

```
-- --STEP-9--
```

```
DELIMITER //
```

```
CREATE procedure getExpiredProducts(IN year INT)
```

```
BEGIN
```

```
select * from product
```

```
where YEAR (expireDate)=YEAR ;
```

```
END //
```

```
DELIMITER ;
```

```
...STEP-10.....
```

```
CALL getExpiredProducts(2023);
```

```
.....STEP-11..... -
```

```
select * from WORKER
```

```
where location='Chennai';
```

## **Output**

MySQL Workbench

my\_server x

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Administration Schemas

SQL Editor

```
1 ALTER TABLE WORKER
2 ADD JoiningDate DATE;
3
4
5 use assignment;
6 select * from product;
7
```

Result Grid

productid	productName	productQty	price
10	laptop	5	25000
11	Ram	6	10000
12	Motherboard	4	20000
13	PSU	7	15000
10	laptop	5	25000

product 1 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
1	13:33:41	select * from product LIMIT 0, 1000	8 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

SQLAdditions

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

MySQL Workbench

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Administration Schemas

SQL Editor

```
1 ALTER TABLE WORKER
2 ADD JoiningDate DATE;
3
4
5 use assignment;
6 select * from WORKER;
7
```

Result Grid

empid	empname	empsalary	empdomain	emp_age	JoiningDate
20	Deepak	20000	rpa	23	2019-12-21
17	Kumar	17000	med	22	2018-08-12
10	Raja	30000	DA	24	2017-07-12
13	arun	22000	DAT	25	2016-05-10
15	vasanth	32000	AI	27	2015-04-09

WORKER 2 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
1	13:33:41	select * from product LIMIT 0, 1000	8 row(s) returned	0.000 sec / 0.000 sec
2	13:34:00	select * from WORKER LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

SQLAdditions

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MySQL Workbench

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Administration Schemas

Information

No object selected

Object Info Session

Last\_Update\* x

```

37 • create view JoiningDate as
38
39 select * from WORKER
40
41 where JoiningDate in (select min(JoiningDate) from WORKER);
42
43 • select * from JoiningDate

```

Result Grid

empid	empname	empsalary	empdomain	emp_age	JoiningDate
15	vasanth	32000	AI	27	2015-04-09

JoiningDate 3 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
1	13:33:41	select * from product LIMIT 0, 1000	8 row(s) returned	0.000 sec / 0.000 sec
2	13:34:00	select * from WORKER LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec
3	13:34:32	select * from JoiningDate LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec

SQLAdditions

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

MySQL Workbench

my\_server x

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Information

No object selected

Object Info Session

Last\_Update\* x

```

8 • UPDATE PRODUCT set expireDate='2019-12-21' WHERE productId = 10;
9
10 • UPDATE PRODUCT set expireDate='2018-08-12' WHERE productId = 11;
11
12 • UPDATE PRODUCT set expireDate='2017-07-12' WHERE productId = 12;
13
14 • select * from PRODUCT;

```

Result Grid

productId	productName	productQty	price	expireDate
13	PSU	7	15000	2019-12-21
10	laptop	5	25000	2019-12-21
11	Ram	6	10000	2018-08-12
12	Motherboard	4	20000	2017-07-12
13	PSU	7	15000	2019-12-21

SQLAdditions

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MySQL Workbench

my\_server

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Last\_Update

```
212 DELIMITER ;
213
214
215 -- STEP-10-----
216
217 CALL getExpiredProducts(2017);
218
```

Limit to 1000 rows

Result Grid

productid	productName	productQty	price	expireDate
12	Motherboard	4	20000	2017-07-12
12	Motherboard	4	20000	2017-07-12

SQLAdditions

Jump to

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.