EXPERIMENT NO.10 : 14/06/2021

VIEW TABLE

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S2MCA-A

Roll no:28

1.Create a view view1 from salesorder with (order number,order date)

SQL>CREATE VIEW view1 AS(SELECT ordernumber,orderdate FROM salesorder);

2.Describe the view view1

SQL>DESC view1;

Field	Type	Null	Key	Default
ordernumber	int(11)	NO		NULL
orderdate	date	YES		NULL

3.Display Values of view1

SQL>SELECT * FROM view1;

ordernumber	orderdate
0	2013-06-01
1	2013-02-01
2	2013-03-21
3	2013-03-02
4	2013-04-02

4.Insert one row of data in view1 and observe the output/error message

SQL>INSERT INTO view1 VALUES(5,"2013-06-19");

SQL>SELECT * FROM view1;

ordernumber	orderdate
0	2013-06-01
1	2013-02-01
2	2013-03-21
3	2013-03-02
4	2013-04-02
5	2013-06-19

5.Create a view view2 from clientmaster (clientno,cname)

SQL>CREATE VIEW view2 AS (SELECT clientno,cname FROM clientmaster);

6.Insert one row of data in view2 and observe the output/error message

SQL>INSERT INTO view2 VALUES(106,"Abel");

SQL>SELECT * FROM view2;

clientno	cname
101	senchu
102	sobin
103	sajan
104	siju
105	george
106	Abel

7.Create a view view3 from salesmaster   with all columns with condition 'city=mumbai'

SQL>CREATE VIEW view3 AS(SELECT * FROM salesmaster WHERE city="mumbai");

SQL>SELECT * FROM view3;

salemanno	sname	city
1	biju	mumbai
2	amith	mumbai

8.Create a view view4 from clientmaster and salesmaster with details(cname,city,sname,city)

SQL>CREATE VIEW view4 AS (SELECT c.cname,c.city,s.sname,s.scity FROM clientmaster c,salesmaster s WHERE s.scity=c.city);

9.Describe view4

Field	Type	Null
cname	varchar(30)	YES
city	varchar(20)	YES
sname	varchar(30)	YES
scity	varchar(20)	YES

10.Insert one row of data in view4 and observe the output/error message

SQL>INSERT INTO view4 VALUES("sachi","chennai,"john","kannur");

ERROR in insertion

Error

Static analysis:

1 errors were found during analysis.

　　1. Ending quote " was expected. (near "" at position 59)

SQL query: Copy

INSERT INTO view4 VALUES("sachi","chennai,"john","kannur");

11.Create a view view5 from view4(cname,sname)

SQL>CREATE VIEW view5 as (SELECT cname,sname FROM clientmaster,salesmaster)

12.Describe view5

SQL>DESC view5;

Field	Type	Null
cname	varchar(30)	YES
sname	varchar(30)	YES

13.Insert one row of data in view5 and observe the output/error message

insert into view5 VALUES("ash","jon")

MySQL said:

#1394 - Can not insert into join view 'clientdb.view5' without fields list

14.Delete the view4 table.

SQL>DROP VIEW view4;

15.Delete the view5 table.

SQL>DROP VIEW view5;

16.

The staff in the HR department wants to hide some of the data in the EMPLOYEES table. They want a view called EMPLOYEES_VU based on the employee numbers, employee names, and department numbers from the EMPLOYEES table. They want the heading for the employee name to be EMPLOYEE.

CREATE VIEW employees_vu AS(SELECT employee_id,last_name as employee,department_id FROM employees);

17.

Confirm that the view works. Display the contents of the EMPLOYEES_VU view.

SELECT * FROM employees_vu;

employee_id	employee	department_id
100	KING	90
101	KOCHHAR	90
102	DE HAAN	90
103	HUNOLD	60
104	ERNST	60
107	LORENTZ	60
124	MOURGOS	60
141	RAJAS	50
142	DAVIES	50
143	MATOS	50
143	ZLOTKEY	50
174	ABEL	80

18.

Using your EMPLOYEES_VU view, write a query for the HR department to display all employee names and department numbers.

SELECT employee,department_id FROM employees_vu

employee	department_id
KING	90
KOCHHAR	90
DE HAAN	90
HUNOLD	60
ERNST	60
LORENTZ	60
MOURGOS	60
RAJAS	50
DAVIES	50
MATOS	50
ZLOTKEY	50
ABEL	80

19.

Department 50 needs access to its employee data. Create a view named DEPT50 that contains the employee numbers, employee last names, and department numbers for all employees in department 50. You have been asked to label the view columns EMPNO, EMPLOYEE, and DEPTNO. For security purposes, do not allow an employee to be reassigned to another department through the view.

CREATE VIEW DEPT50 AS(SELECT employee_id AS EMPNO,last_name AS employee,department_id AS DEPTNO FROM employees WHERE department_id=50);

20.

Display the structure and contents of the DEPT50 view.

DESC dept50;

Field	Type	Null
EMPNO	int(6)	YES
employee	varchar(25)	NO
DEPTNO	int(4)	YES

SELECT * FROM dept50;

EMPNO	employee	DEPTNO
141	RAJAS	50
142	DAVIES	50
143	MATOS	50
143	ZLOTKEY	50