

Assignment : 3

Create table EMPLOYEE with the following details .

FIELD NAME	TYPE
Employee-Id	Number (6)
Last-Name	vauchan (25)
Job-Id	vauchan (10)
Salary	Number (8, 2)
Comm-pct	Number (4, 2)
Mgr-Id	Number (6)
Department-Id	Number (4)

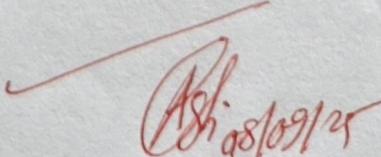
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• CREATE TABLE EMPLOYEE (
    EMPLOYEE-ID INT ,
    Last-Name vauchan(25) ,
    Job-Id vauchan (10) ,
    Salary Decimal (8,2) ,
    Comm-pct Decimal (4,2) ,
    Mgr-Id int ,
    Department-Id int
);

```

• DESC EMPLOYEE ;

Field	Type	Null	Default
Employee-Id	int	Yes	Null
Last-Name	vauchan (25)	Yes	Null
Job-Id	vauchan (10)	Yes	Null
Salary	decimal (8,2)	Yes	Null
Comm-pct	decimal (4,2)	Yes	Null
Mgr-Id	int	Yes	Null
Department-Id	int	Yes	Null


 Ashish
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2.

Insert the following data into EMPLOYEE TABLE .

Employee-Id	Last-Name	Job-Id	Salary	comm-pct	Mgr-Id	Dep.-Id
198	Connell	SH-clerk	2600	2.5	124	50
199	Grant	SH-clerk	2600	2.2	124	50
200	Whalee	AD-AMT	4400	1.3	101	10
201	Hautstein	IT-Prog	6000	null	100	20
202	Fay	AC-mgr	6500	null	210	20
203	Mauris	AD-VP	7500	null	101	40
204	Baer	AD-pres	3500	1.5	101	90
205	Higgins	AC-mgr	2300	null	101	60
206	Gitz	IT-Prog	5000	null	103	60
100	King	AD-AMT	8956	0.3	108	100
101	Kochan	SH-clerk	3400	1.3	118	30

• INSERT INTO EMPLOYEE

(Employee-Id , Last-Name , Job-Id , Salary , Comm-pct , Mgr-Id ,
Department-ID)

VALUES

```
(198,"Connell","SH-clerk",2600,2.5,124,50),
(199,"Grant","SH-clerk",2600,2.2,124,50),
(200,"Whalee","AD-AMT",4400,1.3,101,10),
(201,"Hautstein","IT-Prog",6000,null,100,20),
(202,"Fay","AC-mgr",6500,null,210,20),
(203,"Mauris","AD-VP",7500,null,101,40),
(204,"Baer","AD-pres",3500,1.5,101,90),
(205,"Higgins","AC-mgr",2300,null,101,60),
(206,"Gitz","IT-Prog",5000,null,103,60),
(100,"King","AD-AMT",8956,0.3,108,100),
(101,"Kochan","SH-clerk",3400,1.3,118,30);
```

3. Display last-name, job-id, employee-id for each employee with employee-id appearing first.

• SELECT EMPLOYEE-ID, LAST-NAME, JOB-ID FROM EMPLOYEE;

Employee-Id	Last-Name	Job-Id
198	Connell	SH-Clerk
199	Grant	SH-Clerk
200	Whalee	AD-Asst
201	Hautstein	IT-Prog
202	Fay	AC-Mgr
203	Mauris	AD-VP
204	Bace	AD-Pres
205	Higgins	AC-Mgr
206	Guitz	IT-Prog
100	King	AD-Asst
101	Kochan	SH-Clerk

4. Display the details of all employees of department 60.

• SELECT * FROM EMPLOYEE WHERE Department-Id = 60.

Employee-Id	Last-Name	Job-Id	Salary	Comm-Pct	Mgr-Id	Dep-Id
205	Higgins	AC-Mgr	2300	NULL	101	60
206	Guitz	IT-Prog	5000	NULL	103	60

5. Display the employee details of the employee whose last name is King.

• SELECT * FROM EMPLOYEE WHERE Last-Name = "King";

Employee-Id	Last-Name	Job-Id	Salary	Comm-Pct	Mgr-Id	Dep-Id
100	King	AD-Asst	8956	0.3	108	100

6. Display unique job-id from Employee table. Give alias name to the column as Job-Title.

• SELECT DISTINCT Job-Id AS Job-Title FROM EMPLOYEE;

Job-Title
SH-Clerk
AD-Asst
IT-Prog
AC-Mgr
AD-VP
AD-Pres

7. Display Last-Name , salary and salary increase of Rs.300 .
Give the new column name as "increased salary".

- SELECT Last-Name , salary , (salary + 300) AS "increased salary" FROM EMPLOYEE ;

Last-Name	Salary	Increased Salary
Connell	2600	2900
Currant	2600	2900
Whalen	4400	4700
Hautstein	6000	6300
Fay	6500	6800
Mauris	7500	7800
Bauer	3500	3800
Higgins	2300	2600
Ernst	5000	5300
King	8956	9256
Kochan	3400	3700

8. Display Last-Name , salary and annual compensation of all employees plus a one time bonus of Rs.100 . Give an alias name to the column displaying annual compensation .

- SELECT Last-Name , salary , (salary * 12 + 100) AS Annual-Compensation FROM EMPLOYEE ;

Last-Name	Salary	Annual-Compensation
Connell	2600	31300
Currant	2600	31300
Whalen	4400	52900
Hautstein	6000	72100
Fay	6500	78100
Mauris	7500	90100
Bauer	3500	42100
Higgins	2300	27700
Ernst	5000	60100
King	8956	107572
Kochan	3400	40900

Display the details of those employees who got commission.

- SELECT * FROM EMPLOYEE WHERE comm-pct IS NOT NULL;

Employee-Id	Last-Name	Job-Id	Salary	comm-pct	mgr-Id	Dep-Id
198	connell	SH-clerk	2600	2.50	124	50
199	Grant	SH-clerk	2600	2.50	124	50
200	whalen	AD-Asst	4400	1.30	101	10
204	Baer	AD-pres	8500	1.50	101	90
100	King	AD-Asst	8956	0.30	108	100
101	Kochan	SH-clerk	2400	1.30	118	30

Display the details of those employees who do not get commission.

- SELECT * FROM EMPLOYEE WHERE comm-pct IS NULL;

Employee-Id	Last-Name	Job-Id	Salary	comm-pct	mgr-Id	Dep-Id
201	Hautstein	IT-prog	6000	NULL	100	20
202	Fay	AC-mgr	6500	NULL	210	20
203	Mauris	AD-vp	7500	NULL	101	40
205	Higgins	AC-mgr	2300	NULL	101	60
206	Cuitz	IT-prog	5000	NULL	103	60

Display the employee-Id, Department-Id and salary all employees whose salary is greater than 5000.

- SELECT Employee-Id, Department-Id, Salary FROM EMPLOYEE WHERE salary > 5000;

Employee-Id	Department-Id	Salary
201	20	6000
202	20	6500
203	40	7500
100	100	8956

Display last-Name and salary of all employees whose salary is between 4000 and 7000.

- SELECT last-name, salary
FROM EMPLOYEE

WHERE salary BETWEEN 4000 AND 7000;

Last-Name	Salary
whalen	4400
Hautstein	6000
Fay	6500
Cuitz	5000

13. Display the details of all employees whose salary is either 6000 or 6500 or 7000.

- SELECT * FROM EMPLOYEE
WHERE SALARY IN (6000, 6500, 7000);

Employee-Id	Last-Name	Job-Id	Salary	comm-pct	mgr-Id	Dep-Id
201	Hautstein	IT-prog	6000	NULL	100	20
202	Fay	AC-mgr	6500	NULL	210	20

14. Display the details of all those employees who work either in department 10 or 20 or 30 or 50.

- SELECT * FROM EMPLOYEE
WHERE Department-Id IN (10, 20, 30, 50);

Employee-Id	Last-Name	Job-Id	Salary	comm-pct	Mgr-Id	Dep-Id
198	Connell	SH-clerk	2600	2.50	124	50
199	Currant	SH-clerk	2600	2.20	124	50
200	Whalen	AD-ANT	4400	1.30	101	10
201	Hautstein	IT-prog	6000	NULL	100	20
202	Fay	AC-mgr	6500	NULL	210	20
101	Kochan	SH-clerk	3400	1.30	118	30

15. Display the details of all employees whose salary is not equal to 5000.

- SELECT * FROM EMPLOYEE
WHERE Salary <> 5000;

Employee-Id	Last-Name	Job-Id	Salary	comm-pct	Mgr-Id	Dep-Id
198	Connell	SH-clerk	2600	2.50	124	50
199	Currant	SH-clerk	2600	2.20	124	50
200	Whalen	AD-ANT	4400	1.30	101	10
201	Hautstein	IT-prog	6000	NULL	100	20
202	Fay	AC-mgr	6500	NULL	210	20
203	Mauris	AD-rep	7500	NULL	101	40
204	Baer	AD-pro	3500	1.50	101	90
205	Higgins	AC-mgr	2300	NULL	101	60
100	King	AD-ANT	8956	0.30	108	100
101	Kochan	SH-clerk	3400	1.30	118	30

Display the details of all the clerks working in the organisation.

- SELECT * FROM EMPLOYEE

WHERE Job-Id LIKE "% CLERK %";

Employee-Id	Last-Name	Job-Id	Salary	Comm-Pct	Mgr-Id	Dep-Id
198	Connell	SA-clerk	2600	2.50	124	50
199	Cyrant	SA-clerk	2600	2.20	124	50
101	Kochan	SA-clerk	2400	1.30	118	50

Update job-ids of all the employees who earn more than 5000 to Grade-A

A. Display table EMPLOYEE after updating.

- UPDATE EMPLOYEE

SET Job-Id = "GRADE-A"

WHERE Salary > 5000;

Employee-Id	Last-Name	Job-Id	Salary	Comm-Pct	Mgr-Id	Dep-Id
198	Connell	SA-clerk	2600	2.50	124	50
199	Cyrant	SA-clerk	2600	2.20	124	50
200	Whalen	AD-Asst	4400	1.30	101	10
201	Hausstein	Grade-A	6000	NULL	100	20
202	Fay	Grade-A	6500	NULL	210	20
203	Mauris	Grade-A	7500	NULL	101	40
204	Baer	AD-pres	3500	1.50	101	90
205	Higgins	AC-mgr	2300	NULL	101	60
206	Giltz	IT-prog	5000	NULL	103	60
100	King	Grade-A	8956	0.80	108	100
101	Kochan	SA-clerk	2400	1.30	118	30

Display the details of all those employees who are either clerk or programmer or assistant.

- SELECT * FROM EMPLOYEE

WHERE Job-Id LIKE "% clerk %"

OR Job-Id LIKE "% prog %"

OR Job-Id LIKE "% Asst %";

Employee-Id	Last-Name	Job-Id	Salary	Comm-pct	Mgr-Id	Dep-Id
198	Connell	SH-clerk	2600	2.50	124	50
199	Currant	SH-clerk	2600	2.20	124	50
200	Whalen	AD-Asst	4400	1.30	101	10
206	Gitz	IT-prog	5000	Null	103	60
101	Kochan	SH-clerk	3400	1.30	118	30

19. Display those employees from the EMPLOYEE table whose designation is clerk and salary is less than 3000.

- SELECT * FROM EMPLOYEE
WHERE Job-Id LIKE "%clerk%" AND salary < 3000;

Employee-Id	Last-Name	Job-Id	Salary	Comm-pct	Mgr-Id	Dep-Id
198	Connell	SH-clerk	2600	2.50	124	50
199	Currant	SH-clerk	2600	2.20	124	50

20. Display those employees Last-Name, Mgr-Id from the EMPLOYEE table whose salary is above 3000 and work under manager 101

- SELECT Last-Name, Mgr-Id FROM EMPLOYEE WHERE salary > 3000 AND Mgr-Id = 101 ;

Last-Name	Mgr-Id
Whalen	101
Mauris	101
Balla	101

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