

ASSIGNMENT: 3

- ① Create table EMPLOYEE with the following details.

FIELD NAME	TYPE
EMPLOYEE-ID	NUMBER (6)
LAST-NAME	VARCHAR2 (25)
JOB-ID	VARCHAR2 (10)
SALARY	NUMBER (8,2)
COMM-PCT	NUMBER (4,2)
MGR-ID	NUMBER (6)
DEPARTMENT-ID	NUMBER (4)

- CREATE TABLE EMPLOYEE (

EMPLOYEE-ID INT,

LAST-NAME VARCHAR(25),

JOB-ID VARCHAR(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	VARCHAR (25)	YES	NULL
JOB-ID	VARCHAR (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.

② Insert the following data into EMPLOYEE TABLE.

EMPLOYEE-ID	LAST-NAME	JOB-ID	SALARY	COMM-PCT	MGR-ID	DEPARTMENT-ID
198	Connell	SH-CLERK	2600	2.5	124	50
199	Grant	SH-CLERK	2600	2.2	124	50
200	Whalen	AD-ASST	4400	1.3	101	10
201	Hartstein	IT-PROG	6000	null	100	20
202	Fay	AC-MGR	6500	null	210	20
203	Marvis	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
207 100	King	AD-ASST	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, "Whalen", "AD-ASST", 4400, 1.3, 101, 10),
 (201, "Hartstein", "IT-PROG", 6000, null, 100, 20),
 (202, "Fay", "AC-MGR", 6500, null, 210, 20),
 (203, "Marvis", "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-ASST", 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	Whalen	AD-ASST
201	Hartstein	IT-PROG
202	Fay	AC-MGR
203	Morris	AD-VP
204	Baer	AD-PRES
205	Higgins	AC-MGR
206	Gitz	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	DEPARTMENT-ID
205	Higgins	AC-MGR	2300	null	101	60
206	Gitz	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	DEPARTMENT-ID
100	King	AD-ASST	8956	0.30	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
Grant	2600	2900
Whallen	4400	4700
Hartstein	6000	6300
Fay	6500	6800
Marvis	7500	7800
Baer	8500	8800
Higgins	2300	2600
Gitz	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
Grant	2600	31300
Whalen	4400	52900
Hartstein	6000	72100
Fay	6500	78100
Mavis	7500	90100
Baer	3500	42100
Higgins	2300	27700
Gitz	5000	60100
King	8956	107572
Kochan	3400	40900

⑨ 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	DEPARTMENT_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	3500	1.50	101	90
100	King	AD-ASST	8956	0.30	108	100
101	Kochan	SH-CLERK	3400	1.30	118	30

⑩ 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	DEPARTMENT-ID
201	Hartstein	IT-PROG	6000	NULL	100	20
202	Fay	AC-MGR	6500	NULL	210	20
203	Marvis	AD-VP	7500	NULL	101	40
205	Higgins	AC-MGR	2300	NULL	101	60
206	Gitz	IT-PROG	5000	NULL	103	60

⑪ 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

⑫ 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
Hartstein	6000
Fay	6500
Gitz	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	DEPARTMENT-ID
201	Hartstein	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	DEPARTMENT-ID
198	Connell	SH-CLERK	2600	2.50	124	50
199	Grant	SH-CLERK	2600	2.20	124	50
200	Whalen	AD-ASST	4400	1.30	101	10
201	Hartstein	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	DEPARTMENT-ID
198	Connell	SH-CLERK	2600	2.50	124	50
199	Grant	SH-CLERK	2600	2.20	124	50
200	Whalen	AD-ASST	4400	1.30	101	10
201	Hartstein	IT-PROG	6000	NULL	100	20
202	Fay	AC-MGR	6500	NULL	210	20

203	Morvis	AD-VP	7500	NULL	101	40
204	Baer	AD-PRES	3500	1.50	101	90
205	Higgins	AC-MGR	2300	NULL	101	60
100	King	AD-ASST	8956	0.30	108	100
101	Kochan	SH-CLERK	3400	1.30	118	30

⑯ Display the details of all the CLERKS working in the organization.

- SELECT * FROM EMPLOYEE

- WHERE JOB-ID LIKE "%_CLERK%";

EMPLOYEE - ID	LAST - NAME	JOB - ID	SALARY	COMM - PCT	MGR - ID	DEPARTMENT - ID
198	Connell	SH-CLERK	2600	2.50	124	50
199	Grant	SH-CLERK	2600	2.20	124	50
101	Kochan	SH-CLERK	3400	1.30	118	30

⑰ Update job-ids of the employees who earn more than 5000 to GRADE-A. Display the 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	DEPARTMENT - ID
198	Connell	SH-CLERK	2600	2.50	124	50
199	Grant	SH-CLERK	2600	2.20	124	50
200	Whalen	AD-ASST	4400	1.30	101	10
201	Hartstein	GRADE_A	6000	NULL	100	20
202	Fay	GRADE_A	6500	NULL	240	20
203	Morvis	GRADE_A	7500	NULL	101	40
204	Baer	AD-PRES	3500	1.50	101	90

205	Higgins	AC-MGR	2300	NULL	101	60
206	Gitz	IT-PROG	5000	NULL	103	60
100	King	GRADE-A	8956	0.30	108	100
101	Kochan	SH-CLERK	3400	1.30	118	30

⑯ 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	DEPARTMENT-ID
198	Connell	SH-CLERK	2600	2.50	124	50
199	Grant	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

⑰ 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	DEPARTMENT-ID
198	Connell	SH-CLERK	2600	2.50	124	50
199	Grant	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
Marvis	101
Baer	101

✓
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