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Reg No : 22BCE2436

DIGITAL ASSIGNMENT-1

1) Insert the data given above in both employee, department and project tables.

Command

SELECT

First_Name || ' ' || Mid_Name || ' ' || Last_Name AS Employee_Name,

Employee_ID,

Supervisor_EmpID

FROM

EmployeeBCE2436;

OUTPUT

/> Employee_Name Employee_ID Supervisor_EmpID		
Doug E Gilbert	554433221	
Joyce A PAN	543216789	
Frankin T Wong	333445555	554433221
Jennifer S Wallace	987654321	554433221
John B Smith	123456789	333445555
Ramesh K Narayan	666884444	333445555
Joyce A Panigrahi	453453453	333445555
James E Borg	888665555	543216789
Alicia J Zelaya	999887777	987654321
Ahmad V Jabbar	987987987	987654321

2) Display all the employees' information.

COMMAND

Select * from EmployeeBCE2436

OUTPUT

Output

/>

First_Name	Mid_Name	Last_Name	Employee_ID	Birthday	Address	Gender	Salary	Supervisor_EmpID	Department_Number
Doug	E	Gilbert	554433221	09-JUN-60	11 S 59 E, Salt Lake City, UT	M	80000		3
Joyce	A	PAN	543216789	07-FEB-78	35 S 18 E, Salt Lake City, UT	F	70000		2
Frankin	T	Wong	333445555	08-DEC-45	638 Voss, Houston, TX	M	40000	554433221	5
Jennifer	S	Wallace	987654321	07-FEB-78	2914 N, Dallas, TX	F	40000	554433221	4
John	B	Smith	123456789	09-JAN-55	731 Fondren, Houston, TX	M	30000	333445555	5
Ramesh	K	Narayan	666884444	15-SEP-52	975 Fire Oak, Humble, TX	M	38000	333445555	5
Joyce	A	English	453453453	31-JUL-62	5631 Rice, Houston, TX	F	25000	333445555	5
James		Borg	888665555	10-NOV-27	450 Stone, Houston, TX	M	55000	543216789	1
Alicia	J	Zelaya	999887777	19-JUL-58	3321 Castle, Spring, TX	F	25000	987654321	4
Ahmad	V	Jabbar	987987987	29-MAR-59	980 Dallas, Houston, TX	M	25000	987654321	4

3) Display Employee name along with his EmpID and Supervisor EmpID

COMMAND

SELECT

First_Name || ' ' || COALESCE(Mid_Name || ' ', '') || Last_Name AS Employee_Name,

Employee_ID,

Supervisor_EmpID

FROM

EmployeeBCE2436;

OUTPUT

Employee_Name	Employee_ID	Supervisor_EmpID
Doug E Gilbert	554433221	
Joyce A PAN	543216789	
Frankin T Wong	333445555	554433221
Jennifer S Wallace	987654321	554433221
John B Smith	123456789	333445555
Ramesh K Narayan	666884444	333445555
Joyce A English	453453453	333445555
James E Borg	888665555	543216789
Alicia J Zelaya	999887777	987654321
Ahmad V Jabbar	987987987	987654321

4) Display the employee names whose bdate is '29-MAR-1959'

COMMAND

SELECT

First_Name || ' ' || COALESCE(Mid_Name || ' ', '') || Last_Name AS Employee_Name

FROM

EmployeeBCE2436

WHERE

Birthday = '29-MAR-59';

OUTPUT

```
/> Employee_Name
Ahmad V Jabbar
```

5) . Display salary of the employees without duplications.

COMMAND

SELECT DISTINCT Salary

FROM EmployeeBCE2436;

OUTPUT

```
/>Salary
```

80000

6) Display the MgrEmpID, MgrStartDate of the manager of 'Finance' department.

40000

40000

COMMAND

30000

SELECT

30000

25000

55000

d.ManagerEmp_ID,

d.ManageStartDate

FROM

DepartmentBCE2436 d

WHERE

d.Department_Name = 'Finance';

OUTPUT

ManagerEmp_ID	ManageStartDate
987654321	01-JAN-85

7) Modify the department number of an employee having fname as 'Joyce' to 5

COMMAND

UPDATE EmployeeBCE2436

SET Department_Number = 5

WHERE First_Name = 'Joyce';

SELECT FIRST_NAME, DEPARTMENT_NUMBER FROM EMPLOYEEBCE2436;

OUTPUT

First_Name	Department_Number
Doug	3
Joyce	5
Frankin	5

/>

8) Alter Table department add column DepartmentPhoneNum of NUMBER data type and insert values into this column only.

COMMAND

UPDATE DepartmentBCE2436

SET DepartmentPhoneNum = 1234567890

WHERE Department_Number = 1;

UPDATE DepartmentBCE2436

SET DepartmentPhoneNum = 2345678901

WHERE Department_Number = 2;

UPDATE DepartmentBCE2436

SET DepartmentPhoneNum = 3456789012

WHERE Department_Number = 3;

UPDATE DepartmentBCE2436

SET DepartmentPhoneNum = 4567890123

WHERE Department_Number = 4;

UPDATE DepartmentBCE2436

```
SET DepartmentPhoneNum = 5678901234
```

```
WHERE Department_Number = 5;
```

```
select department_name,departmentphonenum from DepartmentBCE2436;
```

OUTPUT

/>>	
Department_Name	DepartmentPhoneNum
Manufacture	1234567890
Administration	2345678901
Headquarter	3456789012
Finance	4567890123
Research	5678901234

9) Alter table orders modify the size of DepartmentPhoneNum.

COMMAND

```
ALTER TABLE DepartmentBCE2436
```

```
MODIFY DepartmentPhoneNum NUMBER(10)
```

10) Modify the field name DepartmentPhoneNum of departments table to PhNo.

COMMAND

```
ALTER TABLE DepartmentBCE2436
```

```
RENAME COLUMN DepartmentPhoneNum TO PhNo;
```

11) . Rename Table Department as DEPT.

COMMAND

```
ALTER TABLE Departmentbce2436
```

RENAME TO Dept;

12) Alter Table department remove column DepartmentPhoneNum.

COMMAND

ALTER TABLE DEPT

DROP COLUMN DepartmentPhoneNum;

13) Create a table COPYOFDEPT as a copy of the table DEPT.

COMMAND

CREATE TABLE COPYOFDEPT AS

SELECT * FROM DEPT;

COPYOFDEPT
/>

14) Delete all the rows from COPYOF DEPT table.

COMMAND

DELETE FROM COPYOFDEPT;

OUTPUT

/>

Department_Name	Department_Number	ManagerEmp_ID	ManageStartDate
empty			

15) Remove COPYOF DEPT table.

COMMAND

```
DROP TABLE COPYOFDEPT;
```