emp_id	f_name	l_name	+ job_type :	 salary	t commission	+ dept :	+ manager_id	date_of_joining	+ d_name	d_loc	HOD_id
1	Arun	Khan	Manager	90000	NULL	Production	NULL	04-Jan-1998	R&D	Delhi	8
1	Arun	Khan	Manager	90000	NULL	Production	NULL	04-Jan-1998	Marketing	Kol	2
1	Arun	Khan	Manager	90000	NULL	Production	NULL	04-Jan-1998	Production	Kol	1 1
1	Arun	Khan	Manager	90000	NULL	Production	NULL	04-Jan-1998	Accounts	Delhi	6
1	Arun	Khan	Manager	90000	NULL	Production	NULL	04-Jan-1998	Sales R&D	Kol	4
2 2	Barun Barun	Kumar Kumar	Manager	80000 80000	NULL NULL	Marketing Marketing	NULL NULL	09-Feb-1998 09-Feb-1998	Marketing	Delhi Kol	8 2
2	Barun	Kumar	Manager Manager	80000	NULL	Marketing	NULL NULL	09-Feb-1998	Production	Kol	1 1
2	Barun	Kumar	Manager	80000	NOLL NULL	Marketing	I NULL	09-Feb-1998	Accounts	Delhi	6
2	Barun	Kumar	Manager	80000	NULL	Marketing	NULL	09-Feb-1998	Sales	Kol	4
i 3	Chitra	Kapoor	Engineer	60000	NULL	Production	1	08-Jan-1998	R&D	Delhi	8
3	Chitra	Kapoor	Engineer	60000	NULL	Production	i 1	08-Jan-1998	Marketing	Kol	2
3	Chitra	Kapoor	Engineer	60000	NULL	Production	1	08-Jan-1998	Production	Kol	i 1 i
3	Chitra	Kapoor	Engineer	60000	NULL	Production	1	08-Jan-1998	Accounts	Delhi	6
3	Chitra	Kapoor	Engineer	60000	NULL	Production	1	08-Jan-1998	Sales	Kol	4
4	Dheeraj	Mishra	Manager	75000	NULL	Sales	4	27-Dec-2001	R&D	Delhi	8
4	Dheeraj	Mishra	Manager	75000	NULL	Sales	4	27-Dec-2001	Marketing	Kol	2
4	Dheeraj	Mishra	Manager	75000	NULL	Sales	4	27-Dec-2001	Production	Kol	1
4	Dheeraj	Mishra	Manager	75000	NULL	Sales	4	27-Dec-2001	Accounts	Delhi	[6]
4	Dheeraj	Mishra	Manager	75000	NULL	Sales	4	27-Dec-2001	Sales	Kol	4
5	Emma	Dutt	Engineer	55000	NULL	Production		20-Mar-2002	R&D	Delhi	8
5	Emma	Dutt	Engineer	55000	NULL	Production	1 1	20-Mar-2002	Marketing	Kol	2
5	Emma	Dutt	Engineer Engineer	55000	NULL	Production	1 1	20-Mar-2002	Production	Kol	1 6
5	Emma	Dutt Dutt		55000 55000	NULL NULL	Production	1 1	20-Mar-2002	Accounts Sales	Delhi	6
6	Emma Floki	Dutt	Engineer Accountant	70000	NULL	Production Accounts	NULL	20-Mar-2002 16-Jul-2000	R&D	Kol Delhi	8
6	Floki	Dutt	Accountant	70000	NOLL NULL	Accounts	NULL NULL	16-Jul-2000	Marketing	Kol	0
6	Floki	Dutt	Accountant	70000	NULL	Accounts	NULL	16-Jul-2000	Production	Kol	1 1
6	Floki	Dutt	Accountant	70000	NULL	Accounts	NULL	16-Jul-2000	Accounts	Delhi	6
6	Floki	Dutt	Accountant	70000	NULL	Accounts	NULL	16-Jul-2000	Sales	Kol	i 4 i
7	Dheeraj	Kumar	Clerk	40000	NULL	Accounts	6	01-Jul-2016	R&D	Delhi	8
7	Dheeraj	Kumar	Clerk	40000	NULL	Accounts	6	01-Jul-2016	Marketing	Kol	2
7	Dheeraj	Kumar	Clerk	40000	NULL	Accounts	6	01-Jul-2016	Production	Kol	1 1
7	Dheeraj	Kumar	Clerk	40000	NULL	Accounts		01-Jul-2016	Accounts	Delhi	6
7	Dheeraj	Kumar	Clerk	40000	NULL	Accounts	6	01-Jul-2016	Sales	Kol	4
8	Saul	Good	Engineer	60000	NULL	R&D	NULL	06-Sep-2014	R&D	Delhi	8
8	Saul	Good	Engineer	60000	NULL	R&D	NULL	06-Sep-2014	Marketing	Kol	2
8	Saul	Good	Engineer	60000	NULL	R&D	NULL	06-Sep-2014	Production	Kol	1 1
8	Saul	Good	Engineer	60000	NULL	R&D	NULL	06-Sep-2014	Accounts	Delhi	6
8	Saul	Good	Engineer	60000	NULL	R&D	NULL I 4	06-Sep-2014	Sales	Kol	4
9	Mou Mou	Bhat Bhat	Clerk Clerk	30000 30000	NULL NULL	Sales Sales	4	08-Mar-2001 08-Mar-2001	R&D Marketing	Delhi Kol	8 2
9	l Mou	Bhat	Clerk	30000	NULL NULL	Sales	4	08-Mar-2001	Production	Kol	1 1
9	Mou	Bhat	Clerk	30000	NULL	Sales	4	08-Mar-2001	Accounts	Delhi	6
9	Mou	Bhat	Clerk	30000	NULL	Sales	4	08-Mar-2001	Sales	Kol	4
10	Sunny	Deol	Salesman	20000	10000	Marketing	2	31-Mar-2001	R&D	Delhi	8
10	Sunny	Deol	Salesman	20000	10000	Marketing	2	31-Mar-2001	Marketing	Kol	2
10	Sunny	Deol	Salesman	20000	10000	Marketing	2	31-Mar-2001	Production	Kol	j 1 j
10	Sunny	Deol	Salesman	20000	10000	Marketing	2	31-Mar-2001	Accounts	Delhi	6
10	Sunny	Deol	Salesman	20000	10000	Marketing		31-Mar-2001	Sales	Kol	j 4 j
11	Bobby	Deol	Engineer	35000	NULL	R&D	8	17-Oct-2017	R&D	Delhi	8
11	Bobby	Deol	Engineer	35000	NULL	R&D	8	17-Oct-2017	Marketing	Kol	2
11	Bobby	Deol	Engineer	35000	NULL	R&D	8	17-Oct-2017	Production	Kol] 1
11	Bobby	Deol	Engineer	35000	NULL	R&D	8	17-Oct-2017	Accounts	Delhi	6
11	Bobby	Deol	Engineer	35000	NULL	R&D	8	17-Oct-2017	Sales	Kol	4
12	Aamir	Khan	Salesman	15000	5000	Marketing	2	11-Jan-2013	R&D	Delhi	8
12	Aamir	Khan	Salesman	15000	5000	Marketing	2	11-Jan-2013	Marketing	Kol	2
12	Aamir	Khan	Salesman	15000	5000	Marketing	2	11-Jan-2013	Production	Kol	1 1
12 1 12	Aamir	Khan	Salesman Salesman	15000 15000	5000 5000 1 5000	Marketing] 2] 2	11-Jan-2013 11-Jan-2013	Accounts Sales	Delhi Kol	6 4
12	Aamir	Khan	salesman	12000	5000	Marketing	2	11-Jan-2013	Sates	K01	4

2)

f_name	l_name	d_loc
Arun	Khan	Kol
Barun	Kumar	Kol
Chitra	Kapoor	Kol
Dheeraj	Mishra	Kol
Emma	Dutt	Kol
Floki	Dutt	Delhi
Dheeraj	Kumar	Delhi
Saul	Good	Delhi
Mou	Bhat	Kol
Sunny	Deol	Kol
Bobby	Deol	Delhi
Aamir	Khan	Kol

```
f_name
           1_name
                     date_of_joining
 Floki
           Dutt
                     16-Jul-2000
                     01-Jul-2016
 Dheeraj
            Kumar
 Saul
            Good
                     06-Sep-2014
 Bobby
            Deol
                     17-0ct-2017
4 rows in set (0.00 sec)
```

Field	Type	Null Key	Default	Extra
Emp_id	int	YES	NULL	
City	varchar(20)	YES	NULL	ĺ
District	varchar(20)	YES	NULL	İ
State	varchar(20)	YES	NULL	İ

```
Emp_id | City
                          District
                                       State
       1 |
           Suri
                          Birbhum
                                       WB
       2
           Kolkata
                          Kolkata
                                       WB
       3
           Bhubaneswar
                          Khurda
                                       Odisha
       4
           Durgapur
                          Burdwan
                                       WB
       5
           Noida
                                       UP
                          GB Nagar
           Secunderabad
                          Hyderabad
       6
                                        Telangana
                          Dehradun
           Derhadun
                                       Uttarakhand
       8
           Asansol
                          Burdwan
                                       WB
                          Darjeeling
           Siliguri
                                       WB
       9
           Kolkata
                          Kolkata
                                       WB
      10
           Jalpaiguri
                          Jalpaiguri
      11
                                       WB
          New Delhi
                          New Delhi
                                       Delhi
      12 |
12 rows in set (0.00 sec)
```

5)

f_name	l_name	d_loc	City
Arun	Khan	Kol	Suri
Barun	Kumar	Kol	Kolkata
Chitra	Kapoor	Kol	Bhubaneswar
Dheeraj	Mishra	Kol	Durgapur
Emma	Dutt	Kol	Noida
Floki	Dutt	Delhi	Secunderabad
Dheeraj	Kumar	Delhi	Derhadun
Saul	Good	Delhi	Asansol
Mou	Bhat	Kol	Siliguri
Sunny	Deol	Kol	Kolkata
Bobby	Deol	Delhi	Jalpaiguri
Aamir	Khan	Kol	New Delhi

f_name	l_name	dept
Arun Barun Dheeraj		Production Marketing Sales
3 rows in	+ set (0.00	++ sec)

7)

Field	Type	Null Key	Default	Extra
GRADE	char(10)	YES	NULL	
LOWEST_SAL	int	YES	NULL	ĺ
HIGHEST SAL	int	YES	NULL	ĺ

8)

f_name	salary	Job_Grades
Arun	90000	C
Barun	80000	C
Chitra	60000	C
Dheeraj	75000	C
Emma	55000	C
Floki	70000	C
Dheeraj	40000	В
Saul	60000	C
Mou	30000	В
Sunny	20000	A
Bobby	35000	В
Aamir	15000	A

p_id	f_name	l_name	job_type	salary	commission	dept	manager_id	date_of_joini
1	Arun	Khan	Manager	90000	NULL	Production	NULL	04-Jan-1998
2	Barun	Kumar	Manager	80000	NULL	Marketing	NULL	09-Feb-1998
	Chitra	Kapoor	Engineer	60000	NULL	Production	1	08-Jan-1998
4	Dheeraj	Mishra	Manager	75000	NULL	Sales	4	27-Dec-2001
	Emma	Dutt	Engineer	55000	NULL	Production	1	20-Mar-2002
6	Floki	Dutt	Accountant	70000	NULL	Accounts	NULL	16-Jul-2000
	Dheeraj	Kumar	Clerk	40000	NULL	Accounts	6	01-Jul-2016
8	Saul	Good	Engineer	60000	NULL	R&D	NULL	06-Sep-2014
	Mou	Bhat	Clerk	30000	NULL	Sales	4	08-Mar-2001
10	Sunny	Deol	Salesman	20000	10000	Marketing	2	31-Mar-2001
11	Bobby	Deol	Engineer	35000	NULL	R&D	8	17-Oct-2017
12	Aamir	Khan	Salesman	15000	5000	Marketing	2	11-Jan-2013
13	Raj	Chatterjee	Mechanic	20000	5000	NULL	3	08-Dec-2005
14	Rahul	Khan	Electrician	40000	2000	NULL	5	12-Aug-1984

10)

d_name	d_loc	HOD_id
Sales	Kol	4
Accounts	Delhi	6
Production	Kol	1
Marketing	Kol	2
R&D	Delhi	8
Mechanic	Kol	3
Electric	Delhi	5

11)

a)

+ emp_	_id	+ f_name	+ l_name	+ job_type	salary	commission	dept	manager_id	+ date_of_joining	d_name	d_loc	HOD_id
· · · · · ·		Arun	Khan	Hanager	90000	NULL	Production	NULL	+ 04-Jan-1998	Electric	Delhi	5
į		Arun	Khan	Manager	90000	NULL	Production	NULL	04-Jan-1998	Mechanic	Kol	3
!	1	Arun	Khan	Manager	90000 90000	NULL	Production	NULL NULL	04-Jan-1998 04-Jan-1998	R&D	Delhi	8 2
ŀ	1	Arun Arun	Khan Khan	Manager Manager	90000	NULL NULL	Production Production	NULL	04-Jan-1998	Marketing Production	Kol Kol	1
į		Arun	Khan	Manager	90000	NULL	Production	NULL	04-Jan-1998	Accounts	Delhi	6
ł		Arun Barun	Khan Kumar	Manager Manager	90000 80000	NULL NULL	Production Marketing	NULL NULL	04-Jan-1998 09-Feb-1998	Sales Electric	Kol Delhi	4 5
i		Barun	Kumar	Manager	80000	NULL	Marketing	NULL	09-Feb-1998	Mechanic	Kol	3
!	2	Barun	Kumar	Manager	80000	NULL	Marketing	NULL	09-Feb-1998	R&D	Delhi	8
ł	2	Barun Barun	Kumar Kumar	Manager Manager	80000 80000	NULL NULL	Marketing Marketing	NULL NULL	09-Feb-1998 09-Feb-1998	Marketing Production	Kol Kol	2 1
į		Barun	Kumar	Manager	80000	NULL	Marketing	NULL	09-Feb-1998	Accounts	Delhi	l 6 l
ŀ	2	Barun Chitra	Kumar Kapoor	Manager Engineer	80000 60000	NULL NULL	Marketing Production	NULL 1	09-Feb-1998 08-Jan-1998	Sales Electric	Kol Delhi	4 5
i		Chitra	Kapoor	Engineer	60000	NULL	Production	1	08-Jan-1998	Mechanic	Kol	3
į		Chitra	Kapoor	Engineer	60000	NULL	Production	1	08-Jan-1998	R&D	Delhi	8
ł		Chitra Chitra	Kapoor Kapoor	Engineer Engineer	60000 60000	NULL NULL	Production Production	1	08-Jan-1998 08-Jan-1998	Marketing Production	Kol Kol	2 1
i		Chitra	Kapoor	Engineer	60000	NULL	Production	1	08-Jan-1998	Accounts	Delhi	6
!	3	Chitra Dheeraj	Kapoor Mishra	Engineer	60000 75000	NULL NULL	Production Sales	1 4	08-Jan-1998 27-Dec-2001	Sales Electric	Kol Delhi	4 5
i	4	Dheeraj	Mishra	Manager Manager	75000	NULL	Sales	4	27-Dec-2001	Mechanic	Kol	3
į		Dheeraj	Mishra	Manager	75000	NULL	Sales	4	27-Dec-2001	R&D	Delhi	3 8
	4	Dheeraj Dheeraj	Mishra Mishra	Manager Manager	75000 75000	NULL NULL	Sales Sales	4	27-Dec-2001 27-Dec-2001	Marketing Production	Kol Kol	2
i	4	Dheeraj	Mishra	Manager	75000	NULL	Sales	4	27-Dec-2001	Accounts	Delhi	6
į	4	Dheeraj	Mishra	Manager	75000	NULL	Sales	4	27-Dec-2001	Sales	Kol	4 5
ł		Emma Emma	Dutt Dutt	Engineer Engineer	55000 55000	NULL NULL	Production Production	1 1	20-Mar-2002 20-Mar-2002	Electric Mechanic	Delhi Kol	3
į 🔣		Emma	Dutt	Engineer	55000	NULL	Production	1	20-Mar-2002	R&D	Delhi	8
	5	Emma Emma	Dutt Dutt	Engineer Engineer	55000 55000	NULL NULL	Production Production	1 1	20-Mar-2002 20-Mar-2002	Marketing Production	Kol Kol	2 1
i		Emma	Dutt	Engineer	55000	NULL	Production	1	20-Mar-2002	Accounts	Delhi	6
ļ		Emma	Dutt	Engineer	55000	NULL	Production	1	20-Mar-2002	Sales	Kol	4
	6	Floki Floki	Dutt Dutt	Accountant Accountant	70000 70000	NULL NULL	Accounts Accounts	NULL NULL	16-Jul-2000 16-Jul-2000	Electric Mechanic	Delhi Kol	5 3
i		Floki	Dutt	Accountant	70000	NULL	Accounts	NULL	16-Jul-2000	R&D	Delhi	8
!	6	Floki	Dutt	Accountant	70000	NULL	Accounts Accounts	NULL	16-Jul-2000	Marketing	Kol	2 1
ł	6	Floki Floki	Dutt Dutt	Accountant Accountant	70000 70000	NULL NULL	Accounts	NULL NULL	16-Jul-2000 16-Jul-2000	Production Accounts	Kol Delhi	6
į		Floki	Dutt	Accountant	70000	NULL	Accounts	NULL	16-Jul-2000	Sales	Kol	4
ļ		Dheeraj Dheeraj	Kumar Kumar	Clerk Clerk	40000 40000	NULL NULL	Accounts Accounts	6 6	01-Jul-2016 01-Jul-2016	Electric Mechanic	Delhi Kol	5 3
i		Dheeraj	Kumar	Clerk	40000	NULL	Accounts	6	01-Jul-2016	R&D	Delhi	8
į		Dheeraj	Kumar	Clerk	40000	NULL	Accounts	6	01-Jul-2016	Marketing	Kol	2
1		Dheeraj Dheeraj	Kumar Kumar	Clerk Clerk	40000 40000	NULL NULL	Accounts Accounts	6 6	01-Jul-2016 01-Jul-2016	Production Accounts	Kol Delhi	1 6
i		Dheeraj	Kumar	Clerk	40000	NULL	Accounts	6	01-Jul-2016	Sales	Kol	4
ļ	8	Saul	Good	Engineer	60000	NULL	R&D	NULL	06-Sep-2014	Electric	Delhi	5
ł	8	Saul Saul	Good Good	Engineer Engineer	60000 60000	NULL NULL	R&D R&D	NULL NULL	06-Sep-2014 06-Sep-2014	Mechanic R&D	Kol Delhi	3
į		Saul	Good	Engineer	60000	NULL	R&D	NULL	06-Sep-2014	Marketing	Kol	2
!	8	Saul	Good	Engineer	60000	NULL	R&D R&D	NULL	06-Sep-2014	Production	Kol	1 6
ŀ	8	Saul Saul	Good Good	Engineer Engineer	60000 60000	NULL NULL	R&D	NULL NULL	06-Sep-2014 06-Sep-2014	Accounts Sales	Delhi Kol	4
į		Mou	Bhat	Clerk	30000	NULL	Sales	4	08-Mar-2001	Electric	Delhi	5
!	9	Mou Mou	Bhat Bhat	Clerk Clerk	30000 30000	NULL NULL	Sales Sales	4	08-Mar-2001 08-Mar-2001	Mechanic R&D	Kol Delhi	3
i	9	Mou	Bhat	Clerk	30000	NULL	Sales	4	08-Mar-2001	Marketing	Kol	2
		<u> </u>		*	<u> </u>			×	×			
ļ	9	Mou	Bhat	Clerk	30000	NULL	Sales	4	08-Mar-2001	Production	Kol	1
ł	9	Mou Mou	Bhat Bhat	Clerk Clerk	30000 30000	NULL NULL	Sales Sales	4	08-Mar-2001 08-Mar-2001	Accounts Sales	Delhi Kol	6
i	10	Sunny	Deol	Salesman	20000	10000	Marketing	2	31-Mar-2001	Electric	Delhi	5
	10	Sunny	Deol	Salesman	20000	10000	Marketing		31-Mar-2001	Mechanic	Kol	
ł	10 10	Sunny	Deol Deol	Salesman Salesman	20000	10000 10000	Marketing Marketing	2 2	31-Mar-2001 31-Mar-2001	R&D Marketing	Delhi Kol	8
i	10	Sunny	Deol	Salesman	20000	10000	Marketing		31-Mar-2001	Production	Kol	
	10	Sunny	Deol	Salesman Salesman	20000	10000	Marketing Marketing	2	31-Mar-2001 31-Mar-2001	Accounts Sales	Delhi	6
	10 11	Sunny Bobby	Deol Deol	Salesman Engineer	35000	NULL	Marketing R&D	8	17-Oct-2017	Electric	Kol Delhi	5
į		Bobby	Deol	Engineer	35000	NULL	R&D	8	17-Oct-2017	Mechanic	Kol	
	11 11	Bobby Bobby	Deol Deol	Engineer Engineer	35000 35000	NULL NULL	R&D R&D	8	17-0ct-2017 17-0ct-2017	R&D Marketing	Delhi Kol	8
i	11	Bobby	Deol	Engineer	35000	NULL	R&D	8	17-0ct-2017 17-0ct-2017	Production	Kol	
	11	Bobby	Deol	Engineer	35000	NULL	R&D	8	17-Oct-2017	Accounts	Delhi	6
	11 12	Bobby Aamir	Deol Khan	Engineer Salesman	35000 15000	NULL 5000	R&D Marketing	8	17-0ct-2017 11-Jan-2013	Sales Electric	Kol Delhi	5
i		Aamir	Khan	Salesman	15000	5000	Marketing		11-Jan-2013	Mechanic	Kol	
!	12	Aamir	Khan	Salesman Salesman	15000	5000	Marketing		11-Jan-2013	R&D	Delhi	8
	12 12	Aamir Aamir	Khan Khan	Salesman Salesman	15000 15000	5000 5000	Marketing Marketing		11-Jan-2013 11-Jan-2013	Marketing Production	Kol Kol	
į		Aamir	Khan	Salesman	15000	5000	Marketing		11-Jan-2013	Accounts	Delhi	6 4
	12 13	Aamir	Khan Chatteriee	Salesman Mechanic	15000 20000	5000 5000	Marketing NULL		11-Jan-2013 08-Dec-2005	Sales Electric	Kol Delhi	4
	13	Raj Raj	Chatterjee Chatterjee	Mechanic	20000	5000	NULL		08-Dec-2005	Mechanic	Ko1	
į		Raj	Chatterjee	Mechanic	20000	5000	NULL		08-Dec-2005	R&D	Delhi	8
	13 13	Raj Raj	Chatterjee Chatterjee	Mechanic Mechanic	20000	5000 5000	NULL NULL		08-Dec-2005 08-Dec-2005	Marketing Production	Kol Kol	2
i		Raj	Chatterjee	Mechanic	20000	5000	NULL		08-Dec-2005	Accounts	Delhi	
		Raj	Chatterjee	Mechanic	20000	5000	NULL		08-Dec-2005	Sales	Kol	
	14 14	Rahul Rahul	Khan Khan	Electrician Electrician	40000 40000	2000 2000	NULL NULL		12-Aug-1984 12-Aug-1984	Electric Mechanic	Delhi Kol	5
i	14	Rahul	Khan	Electrician	40000	2000	NULL		12-Aug-1984	R&D	Delhi	3 8
	14	Rahul	Khan	Electrician	40000	2000	NULL		12-Aug-1984	Marketing	Kol	
	14 14	Rahul Rahul	Khan Khan	Electrician Electrician	40000 40000	2000 2000	NULL NULL		12-Aug-1984 12-Aug-1984	Production Accounts	Kol Delhi	1 6
i	14	Rahul	Khan	Electrician	40000	2000	NULL		12-Aug-1984	Sales	Kol	
98 ro	ws i	+ n set (0.0	0 sec)	+	+	+	+					
J 0 1 01	-											

b)

mp_id	f_name	l_name	job_type	salary	commission	dept	manager_id	date_of_joining	d_name	d_loc	HOD_id
1	Arun	Khan	Manager	90000	NULL	Production	NULL	04-Jan-1998	Production	Kol	1
2	Barun	Kumar	Manager	80000	NULL	Marketing	NULL	09-Feb-1998	Marketing	Kol	
3	Chitra	Kapoor	Engineer	60000	NULL	Production	1	08-Jan-1998	Production	Kol	
4	Dheeraj	Mishra	Manager	75000	NULL	Sales	4	27-Dec-2001	Sales	Kol	
5	Emma	Dutt	Engineer	55000	NULL	Production	1	20-Mar-2002	Production	Kol	
6	Floki	Dutt	Accountant	70000	NULL	Accounts	NULL	16-Jul-2000	Accounts	Delhi	
7	Dheeraj	Kumar	Clerk	40000	NULL	Accounts	6	01-Jul-2016	Accounts	Delhi	
8	Saul	Good	Engineer	60000	NULL	R&D	NULL	06-Sep-2014	R&D	Delhi	
9	Mou	Bhat	Clerk	30000	NULL	Sales	4	08-Mar-2001	Sales	Kol	
10	Sunny	Deol	Salesman	20000	10000	Marketing	2	31-Mar-2001	Marketing	Kol	
11	Bobby	Deol	Engineer	35000	NULL	R&D	8	17-Oct-2017	R&D	Delhi	
12	Aamir	Khan	Salesman	15000	5000	Marketing	2	11-Jan-2013	Marketing	Kol	

c)

emp_id	f_name	l_name	job_type	salary	commission	dept	manager_id	date_of_joining	d_name	d_loc	HOD_i
1	Arun	Khan	Manager	90000	NULL	Production	NULL	04-Jan-1998	Production	Kol	
2	Barun	Kumar	Manager	80000	NULL	Marketing	NULL	09-Feb-1998	Marketing	Kol	
3	Chitra	Kapoor	Engineer	60000	NULL	Production	1	08-Jan-1998	Production	Kol	
4	Dheeraj	Mishra	Manager	75000	NULL	Sales	4	27-Dec-2001	Sales	Kol	
5	Emma	Dutt	Engineer	55000	NULL	Production	1	20-Mar-2002	Production	Kol	
6	Floki	Dutt	Accountant	70000	NULL	Accounts	NULL	16-Jul-2000	Accounts	Delhi	
7	Dheeraj	Kumar	Clerk	40000	NULL	Accounts	6	01-Jul-2016	Accounts	Delhi	
8	Saul	Good	Engineer	60000	NULL	R&D	NULL	06-Sep-2014	R&D	Delhi	
9	Mou	Bhat	Clerk	30000	NULL	Sales	4	08-Mar-2001	Sales	Kol	
10	Sunny	Deol	Salesman	20000	10000	Marketing	2	31-Mar-2001	Marketing	Kol	
11	Bobby	Deol	Engineer	35000	NULL	R&D	8	17-0ct-2017	R&D	Delhi	
12	Aamir	Khan	Salesman	15000	5000	Marketing	2	11-Jan-2013	Marketing	Kol	
13	Raj	Chatterjee	Mechanic	20000	5000	NULL	3	08-Dec-2005	NULL	NULL	NUL
14	Rahul	Khan	Electrician	40000	2000	NULL	5	12-Aug-1984	NULL	NULL	NUI

d)

+ emp_id	+ f_name	l_name	+ job_type	salary	t commission	dept	+ manager_id	date_of_joining	+ d_name	d_loc	HOD_id
9	Mou	Bhat	Clerk	30000	NULL	Sales	4	08-Mar-2001	Sales	+ Kol	4
4	Dheerai	Mishra	Manager	75000	NULL	Sales	4	27-Dec-2001	Sales	Kol	4
7	Dheeraj	Kumar	Clerk	40000	NULL	Accounts	6	01-Jul-2016	Accounts	Delhi	6
6	Floki	Dutt	Accountant	70000	NULL	Accounts	NULL	16-Jul-2000	Accounts	Delhi	6
5	Emma	Dutt	Engineer	55000	NULL	Production	1	20-Mar-2002	Production	Kol	1
3	Chitra	Kapoor	Engineer	60000	NULL	Production	1	08-Jan-1998	Production	Kol	1
1	Arun	Khan	Manager	90000	NULL	Production	NULL	04-Jan-1998	Production	Kol	1
12	Aamir	Khan	Salesman	15000	5000	Marketing	2	11-Jan-2013	Marketing	Kol	2
10	Sunny	Deol	Salesman	20000	10000	Marketing	2	31-Mar-2001	Marketing	Kol	2
2	Barun	Kumar	Manager	80000	NULL	Marketing	NULL	09-Feb-1998	Marketing	Kol	2
11	Bobby	Deol	Engineer	35000	NULL	R&D	8	17-Oct-2017	R&D	Delhi	8
8	Saul	Good	Engineer	60000	NULL	R&D	NULL	06-Sep-2014	R&D	Delhi	8
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	Mechanic	Kol	3
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	Electric	Delhi	5
14 rows in	+ n set (0.0	+ 0 sec)	+	+	+		+		+	+	

e)

mp_id	f_name	l_name	job_type	salary	commission	dept	manager_id	date_of_joining	d_name	d_loc	HOD_i
1	Arun	Khan	Manager	90000	NULL	Production	NULL	04-Jan-1998	Production	Kol	
2	Barun	Kumar	Manager	80000	NULL	Marketing	NULL	09-Feb-1998	Marketing	Kol	İ
3	Chitra	Kapoor	Engineer	60000	NULL	Production	1	08-Jan-1998	Production	Kol	İ
4	Dheeraj	Mishra	Manager	75000	NULL	Sales	4	27-Dec-2001	Sales	Kol	İ
5	Emma	Dutt	Engineer	55000	NULL	Production	1	20-Mar-2002	Production	Kol	İ
6	Floki	Dutt	Accountant	70000	NULL	Accounts	NULL	16-Jul-2000	Accounts	Delhi	1
7	Dheeraj	Kumar	Clerk	40000	NULL	Accounts	6	01-Jul-2016	Accounts	Delhi	1
8	Saul	Good	Engineer	60000	NULL	R&D	NULL	06-Sep-2014	R&D	Delhi	ĺ
9	Mou	Bhat	Clerk	30000	NULL	Sales	4	08-Mar-2001	Sales	Kol	ĺ
10	Sunny	Deol	Salesman	20000	10000	Marketing	2	31-Mar-2001	Marketing	Kol	ĺ
11	Bobby	Deol	Engineer	35000	NULL	R&D	8	17-Oct-2017	R&D	Delhi	
12	Aamir	Khan	Salesman	15000	5000	Marketing	2	11-Jan-2013	Marketing	Kol	1