Ex. No:2 Roll No: 230701383

Date:01/08/2024 Name: VINITH.B

DATA MANIPULATIONS

1. create table employees (employee_id number(6),First_Name varchar(20),Last_Name varchar(25),Email varchar(25),Phone_number varchar(20),hire_date date,Job_id varchar(10),Salary number(8,2),Commission_pct number(2,2),Manager_id number(6),Department_id number(4));

| Column Name | Data Type | Nullable | Default | Primary Key |
|----------------|--------------|----------|----------|-------------|
| EMPLOYEE_ID | NUMBER(6,0) | Yes | <u>-</u> | - |
| FIRST_NAME | VARCHAR2(20) | Yes | - | - |
| LAST_NAME | VARCHAR2(25) | Yes | <u></u> | 2 |
| EMAIL | VARCHAR2(25) | Yes | - | - |
| PHONE_NUMBER | VARCHAR2(20) | Yes | | |
| HIRE_DATE | DATE | Yes | 2 | 2 |
| JOB_ID | VARCHAR2(10) | Yes | = | = |
| SALARY | NUMBER(8,2) | Yes | 2 | ÷ |
| COMMISSION_PCT | NUMBER(2,2) | Yes | - | - |
| MANAGER_ID | NUMBER(6,0) | Yes | 5 | |
| DEPARTMENT_ID | NUMBER(4,0) | Yes | 2 | = |
| | | | | 1 - 11 |

Insert into employees

values(3, 'Ralph', 'Patel', 'rpatel@gmail.com', 9768403822, '11-12-2000', 13,5000, .25,101,40);

Insert into employees

values(4,'George','Austin','geaustin@gmail.com',9573268191,'09-10-2018',14,6000,.3,103,60); Insert into employees values

(1,'Ben','Chad','bchad@gmail.com',9493836325,'24-07-2022',11,4500,.15,100,70); Insert into employees values

(2, 'Bety', 'Dancs', 'bdancs@gmail.com', 9763467298, '19-05-2021', 12, 4800, .17, 100, 56); Insert into employees values

(5, 'Audrey', 'Austin', 'audaustin@gmail.com', 9684357377, '06-05-2017', 15, 7000, .35, 104, 80);

| EMPLOYEE_ID | FIRST_NAME | LAST_NAME | EMAIL | PHONE_NUMBER | HIRE_DATE | JOB_ID | SALARY | COMMISSION_PCT | MANAGER_ID | DEPARTMENT_ID |
|-------------|------------|-----------|---------------------|--------------|------------|--------|--------|----------------|------------|---------------|
| 3 | Ralph | Patel | rpatel@gmail.com | 768403822 | 11/12/2000 | 13 | 5000 | .25 | 101 | 40 |
| 4 | George | Austin | geaustin@gmail.com | 9573268191 | 09/10/2018 | 14 | 6000 | .3 | 103 | 60 |
| 1 | Ben | Chad | bchad@gmail.com | 9493836325 | 04/07/2022 | 11 | 4500 | .15 | 100 | 70 |
| 2 | Bety | Dancs | bdancs@gmail.com | 9763467298 | 09/05/2021 | 12 | 4800 | .17 | 100 | 56 |
| 5 | Audrey | Austin | audaustin@gmail.com | 9684357377 | 06/05/2017 | 15 | 7000 | .35 | 104 | 80 |

select employee_id,first_name,last_name,salary from employees;

| EMPLOYEE_ID | FIRST_NAME | LAST_NAME | SALARY |
|-------------|------------|-----------|--------|
| 3 | Ralph | Patel | 5000 |
| 4 | George | Austin | 6000 |
| 1 | Ben | Chad | 4500 |
| 2 | Bety | Dancs | 4800 |
| 5 | Audrey | Austin | 7000 |

select *from employees where manager_id=100;

| EMPLOYEE_ID | FIRST_NAME | LAST_NAME | EMAIL | PHONE_NUMBER | HIRE_DATE | JOB_ID | SALARY | COMMISSION_PCT | MANAGER_ID | DEPARTMENT_ID |
|-------------|------------|-----------|------------------|--------------|------------|--------|--------|----------------|------------|---------------|
| 1 | Ben | Chad | bchad@gmail.com | 9493836325 | 04/07/2022 | 11 | 4500 | .15 | 100 | 70 |
| 2 | Bety | Dancs | bdancs@gmail.com | 9763467298 | 09/05/2021 | 12 | 4800 | .17 | 100 | 56 |

select first_name,last_name from employees where salary>=4800;

| FIRST_NAME | LAST_NAME |
|------------|-----------|
| Ralph | Patel |
| George | Austin |
| Bety | Dancs |
| Audrey | Austin |

select *from employees where last_name ='Austin';

| EMPLOYEE_ID | FIRST_NAME | LAST_NAME | EMAIL | PHONE_NUMBER | HIRE_DATE | JOB_ID | SALARY | COMMISSION_PCT | MANAGER_ID | DEPARTMENT_ID |
|-------------|------------|-----------|---------------------|--------------|------------|--------|--------|----------------|------------|---------------|
| 4 | George | Austin | geaustin@gmail.com | 9573268191 | 09/10/2018 | 14 | 6000 | .3 | 103 | 60 |
| 5 | Audrey | Austin | audaustin@gmail.com | 9684357377 | 06/05/2017 | 15 | 7000 | .35 | 104 | 80 |

select first_name ,last_name from employees where department_id=60 or department_id=70 or department_id=80;

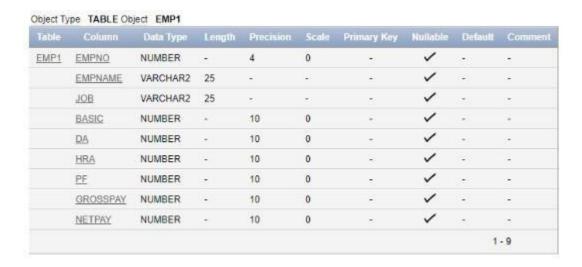
| FIRST_NAME | LAST_NAME |
|------------|-----------|
| George | Austin |
| Ben | Chad |
| Audrey | Austin |

select distinct manager_id from employees;

| MANAGER_ID |
|------------|
| 100 |
| 101 |
| 104 |
| 103 |

2B

create table emp1(empno number(4),empname varchar(25),job varchar(25),basic number(10),da number(10),hra number(10),pf number(10),grosspay number(10),netpay number(10));



insert into emp1

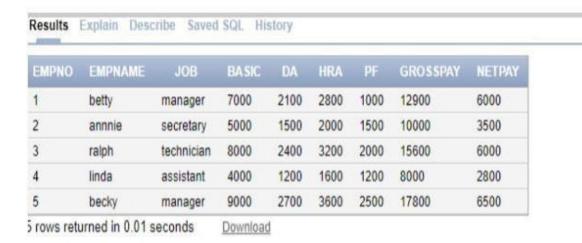
values(1,'betty','manager',7000,2100,2800,1000,10,20); insert into emp1 values(2,'annnie','secretary',5000,1500,2000,1500,20,30); insert into emp1

values(3,'ralph','technician',8000,2400,3200,2000,30,40); insert into emp1 values(4,'linda','assistant',4000,1200,1600,1200,40,50); insert into emp1

values(5,'becky','manager',9000,2700,3600,2500,50,60);

| EMPNO | EMPNAME | JOB | BASIC | DA | HRA | PF | GROSSPAY | NETPAY |
|-------|---------|------------|-------|------|------|------|----------|--------|
| 1 | betty | manager | 7000 | 2100 | 2800 | 1000 | 10 | 20 |
| 2 | annnie | secretary | 5000 | 1500 | 2000 | 1500 | 20 | 30 |
| 3 | ralph | technician | 8000 | 2400 | 3200 | 2000 | 30 | 40 |
| 4 | linda | assistant | 4000 | 1200 | 1600 | 1200 | 40 | 50 |
| 5 | becky | manager | 9000 | 2700 | 3600 | 2500 | 50 | 60 |

update emp1 set
grosspay=basic+da+hra+
pf; set netpay=basic-pf;



select * from emp1 where

basic=(select min(basic) from emp1);

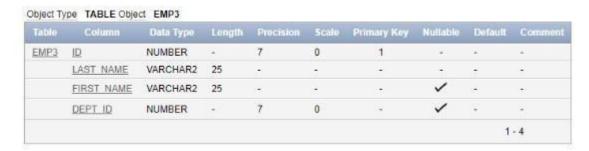


select * from emp1 where
netpay=(select min(netpay)from emp1);

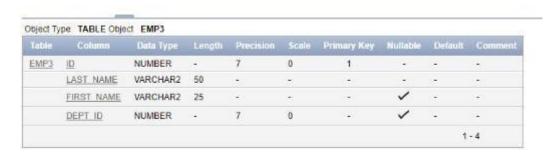


1 rows returned in 0.00 seconds <u>Download</u>

create table emp3(id number(7) primary key not null,last_name varchar2(25) not null,first_name varchar2(25),dept_id number(7));



alter table emp3 modify last_name varchar2(50);



create table employees2(employee_id number(4),first_name varchar(25),last_name varchar(20),salary number(10),dept_id varchar(5));

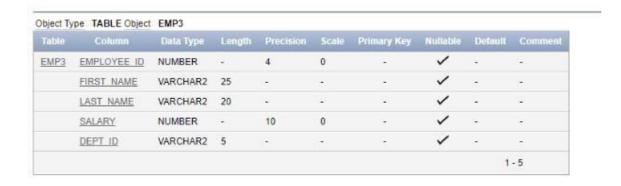


drop table emp3;

Table dropped.

0.38 seconds

alter table employees2 rename to emp3;



alter table emp3 drop column first_name;

