EXPERIMENT: 2 JOSE MUGILAN

DATE: 01/08/2024

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## DATA MANIPULATIONS.

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      | -       | -           |
| FIRST_NAME     | VARCHAR2(20) | Yes      | -       | -           |
| LAST_NAME      | VARCHAR2(25) | Yes      | -       | -           |
| EMAIL          | VARCHAR2(25) | Yes      | -       | -           |
| PHONE_NUMBER   | VARCHAR2(20) | Yes      | -       | -           |
| HIRE_DATE      | DATE         | Yes      | -       | -           |
| JOB_ID         | VARCHAR2(10) | Yes      | -       | -           |
| SALARY         | NUMBER(8,2)  | Yes      | -       | -           |
| COMMISSION_PCT | NUMBER(2,2)  | Yes      | -       | -           |
| MANAGER_ID     | NUMBER(6,0)  | Yes      | -       | -           |
| DEPARTMENT_ID  | NUMBER(4,0)  | Yes      | -       | -           |
|                |              |          |         | 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);

| EWPLOYEE_ID | FIRST_NAME | LAST_NAME | EVAIL              | PHONE_NUMBER | HIRE_DATE  | TOB_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   | 9763467296   | 09/05/2021 | 12     | 4800   | .17            | 100        | 56            |
| 5           | Audrey     | Austin    | audaustn@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;

| EWPLOYEE_ID | FIRST_NAME | LAST_NAVE | ENAIL            | PHONE_NUMBER | HRE_DATE   | 108_10 | SALARY | COMMISSION_PCT | WANAGER_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_0 | FIRST_NAVE | LAST_NAME | BUL.                | PHONE_NUMBER | HIRE DATE  | J08_D | SALARY | COMMISSION_PCT | MANAGER D | CEPARTVENT_C |
|------------|------------|-----------|---------------------|--------------|------------|-------|--------|----------------|-----------|--------------|
| 4          | George     | Austr     | gsaustin@gmail.com  | 9573298191   | 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        |

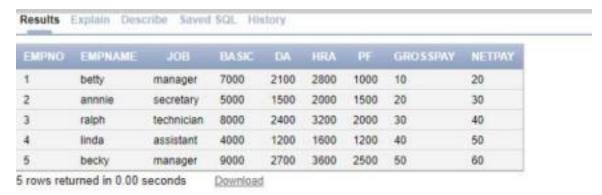
(2B)

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));

| Object Type TABLE Object EMP1 |           |          |    |    |   |             |   |   |         |  |  |  |
|-------------------------------|-----------|----------|----|----|---|-------------|---|---|---------|--|--|--|
|                               | Column    |          |    |    |   | Primary Key |   |   | Comment |  |  |  |
| EMP1                          | EMPNO     | NUMBER   |    | 4  | 0 | -           | ~ |   | -       |  |  |  |
|                               | EMPNAME   | VARCHAR2 | 25 |    | - |             | ~ |   | -       |  |  |  |
|                               | JOB       | VARCHAR2 | 25 |    |   |             | ~ |   |         |  |  |  |
|                               | BASIC     | NUMBER   |    | 10 | 0 |             | ~ |   |         |  |  |  |
|                               | DA        | NUMBER   |    | 10 | 0 |             | ~ |   |         |  |  |  |
|                               | HRA       | NUMBER   |    | 10 | 0 |             | ~ |   |         |  |  |  |
|                               | <u>PF</u> | NUMBER   |    | 10 | 0 |             | ~ |   | -       |  |  |  |
|                               | GROSSPAY  | NUMBER   | -  | 10 | 0 | -           | ~ |   | -       |  |  |  |
|                               | NETPAY    | NUMBER   | -  | 10 | 0 | -           | ~ | - | -       |  |  |  |
|                               |           |          |    |    |   |             |   | 1 | - 9     |  |  |  |

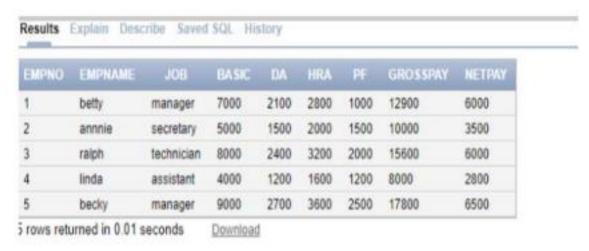
insert into emp1 values(1,'betty','manager',7000,2100,2800,1000,10,20); insert into emp1

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);



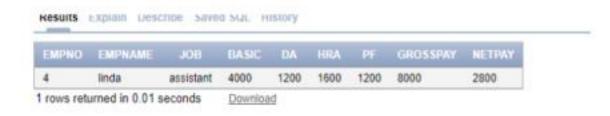
## update emp1

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



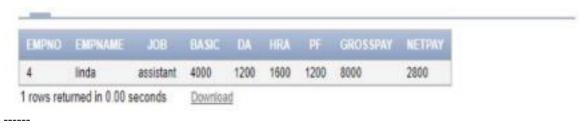
## select \* from emp1

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



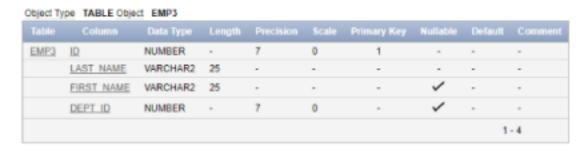
## select \* from emp1

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

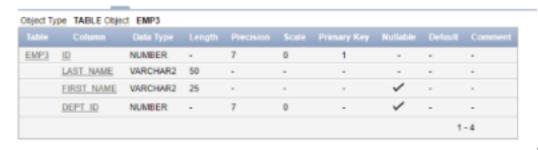


(2c)

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;

alter table employees2 rename to emp3; alter table emp3 drop column first\_name;