Employee Data Analysis

Description

An HR of the company wants to extract, update, and delete employee details to maintain their records.

Objective:

The database design helps to calculate the monthly payroll of each employee efficiently.

- Write a query to **create** an **employee table** with the fields employee id, first name, last name, job id, salary, manager id, and department id.

```
create table Employee
(
        employee_id int not null,
   employee_firstname varchar(45) not null,
   employee_lastname varchar(45) not null,
   jobid varchar(45) not null,
   salary decimal(8,2) not null,
   manager_id int not null,
   dept_id varchar(45) not null,
   primary key(employee_id)
);
```

- Write a query to **insert** values into the employee table.

```
insert into Employee values(101,"Mayur","Kumar","HP122",50000,105,"SH1001");
insert into Employee values(102,"Kedar","Bhide","HP122",70000,105,"SH1001");
insert into Employee values(103,"Shivani","Shinde","HP122",60000,105,"SH1001");
```

insert into Employee values(104,"Supriya","Gaikwad","HP122",40000,105,"SH1001");

insert into Employee values(105,"Pranav","Patil","HP122",55000,105,"SH1001");

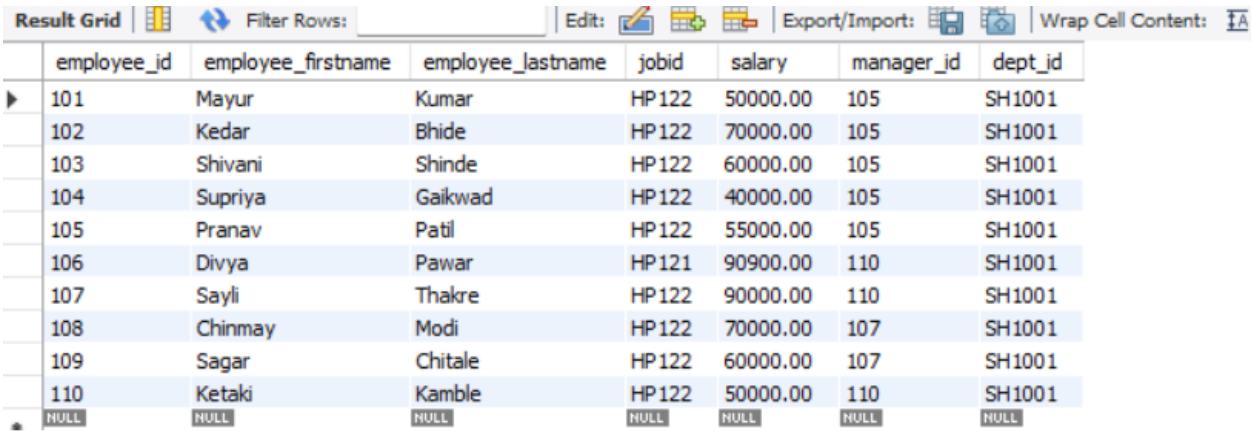
insert into Employee values(106,"Divya","Pawar","HP121",90900,110,"SH1001");

insert into Employee values(107,"Sayli","Thakre","HP122",90000,110,"SH1001");

insert into Employee values(108,"Chinmay","Modi","HP122",70000,107,"SH1001");

insert into Employee values(109,"Sagar","Chitale","HP122",60000,107,"SH1001");

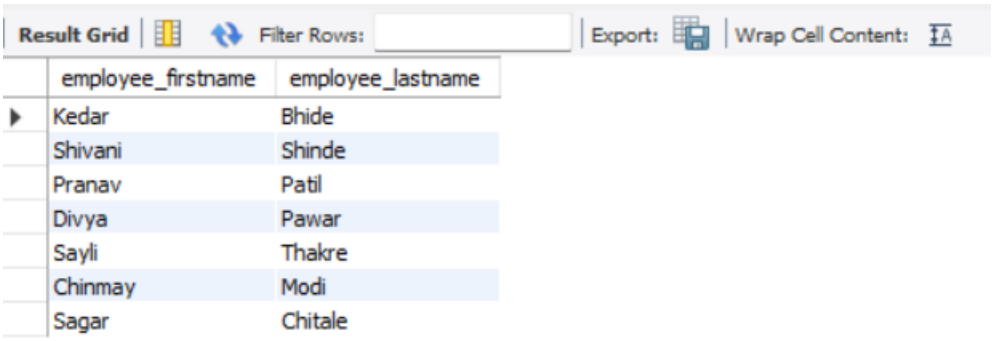
insert into Employee values(110,"Ketaki","Kamble","HP122",50000,110,"SH1001");


Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content:

employee_id	employee_firstname	employee_lastname	jobid	salary	manager_id	dept_id
101	Mayur	Kumar	HP122	50000.00	105	SH1001
102	Kedar	Bhide	HP122	70000.00	105	SH1001
103	Shivani	Shinde	HP122	60000.00	105	SH1001
104	Supriya	Gaikwad	HP122	40000.00	105	SH1001
105	Pranav	Patil	HP122	55000.00	105	SH1001
106	Divya	Pawar	HP121	90900.00	110	SH1001
107	Sayli	Thakre	HP122	90000.00	110	SH1001
108	Chinmay	Modi	HP122	70000.00	107	SH1001
109	Sagar	Chitale	HP122	60000.00	107	SH1001
110	Ketaki	Kamble	HP122	50000.00	110	SH1001
NULL	NULL	NULL	NULL	NULL	NULL	NULL

- Write a query to find the **first name** and **salary** of the employee whose **salary is higher than the employee with the last name Kumar** from the employee table.

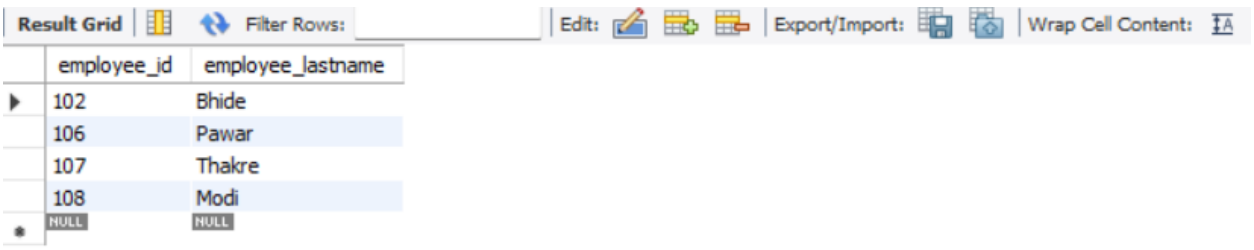
select employee_firstname, employee_lastname from Employee where Salary > (select salary from Employee where employee_lastname ="Kumar");



employee_firstname	employee_lastname
Kedar	Bhide
Shivani	Shinde
Pranav	Patil
Divya	Pawar
Sayli	Thakre
Chinmay	Modi
Sagar	Chitale

- Write a query to display the **employee id** and **last name** of the employee **whose salary is greater than the average salary** from the employee table.

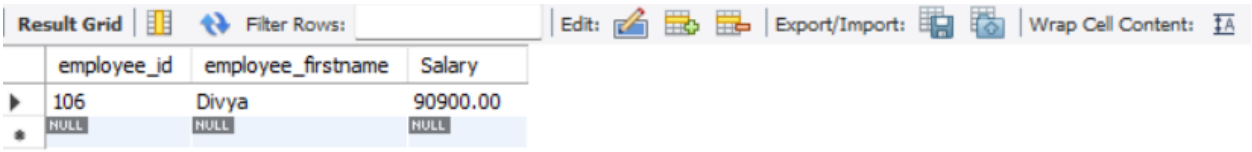
select employee_id, employee_lastname from Employee where salary > (select avg(salary) from Employee);



employee_id	employee_lastname
102	Bhide
106	Pawar
107	Thakre
108	Modi
NULL	NULL

- Write a query to display the **employee id, first name**, and **salary** of the employees who earn **a salary that is higher than the salary** of all the shipping clerks **(JOB_ID = HP122**). Sort the results of the salary in ascending order.

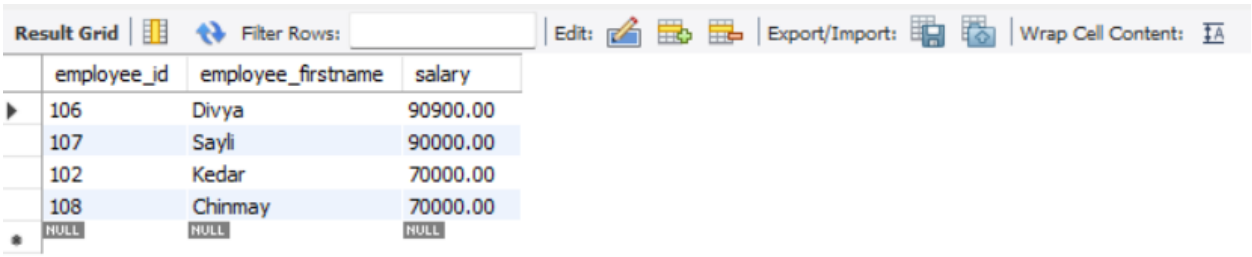
select employee_id, employee_firstname, Salary from Employee where Salary > All (select Salary from Employee where jobid='HP122') order by Salary;



employee_id	employee_firstname	Salary
106	Divya	90900.00
NULL	NULL	NULL

- Write a query to display the **first name, employee id,** and **salary** of the first three employees with **highest salaries**.

select employee_id,employee_firstname,salary from Employee a WHERE 3>= (SELECT COUNT(DISTINCT salary) FROM Employee b WHERE b.salary >= a.salary) ORDER BY a.salary DESC;



employee_id	employee_firstname	salary
106	Divya	90900.00
107	Sayli	90000.00
102	Kedar	70000.00
108	Chinmay	70000.00
NULL	NULL	NULL

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