Komal Jadhav(B31)

Batch: B1

PRN: 2122000504

Experiment No. 3

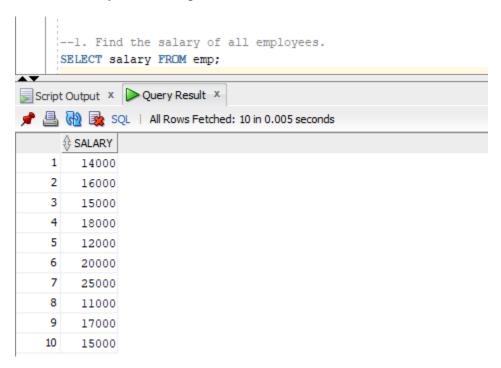
Implement Horizontal and Vertical Fragmentation and perform operations

```
create table emp (
eno INT PRIMARY KEY,
ename VARCHAR(50),
city VARCHAR(50),
salary DECIMAL(10, 2)
);
```

INSERT INTO emp (eno, ename, city, salary) VALUES (1, 'John', 'New York', 14000);
INSERT INTO emp (eno, ename, city, salary) VALUES (2, 'Bob', 'Los Angeles', 16000);
INSERT INTO emp (eno, ename, city, salary) VALUES (3, 'Charlie', 'Chicago', 15000);
INSERT INTO emp (eno, ename, city, salary) VALUES (4, 'David', 'Houston', 18000);
INSERT INTO emp (eno, ename, city, salary) VALUES (5, 'Eve', 'Phoenix', 12000);
INSERT INTO emp (eno, ename, city, salary) VALUES (6, 'Frank', 'Philadelphia', 20000);
INSERT INTO emp (eno, ename, city, salary) VALUES (7, 'Grace', 'San Antonio', 25000);
INSERT INTO emp (eno, ename, city, salary) VALUES (8, 'Alice', 'San Diego', 11000);
INSERT INTO emp (eno, ename, city, salary) VALUES (9, 'Ishani', 'Dallas', 17000);
INSERT INTO emp (eno, ename, city, salary) VALUES (10, 'Juria', 'San Jose', 15000);

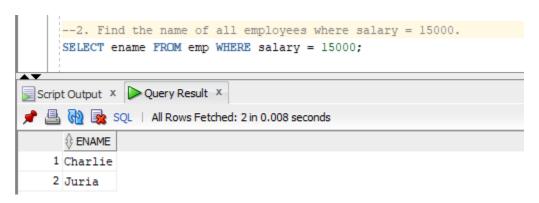
--1. Find the salary of all employees.

SELECT salary FROM emp;

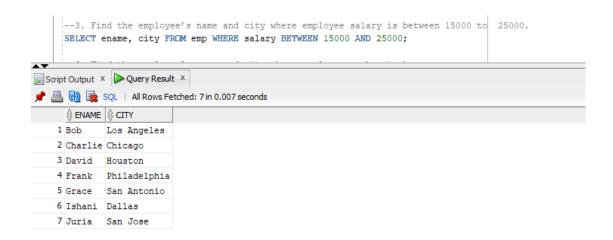


--2. Find the name of all employees where salary = 15000.

SELECT ename FROM emp WHERE salary = 15000;



--3. Find the employee's name and city where employee salary is between 15000 to 25000. SELECT ename, city FROM emp WHERE salary BETWEEN 15000 AND 25000;

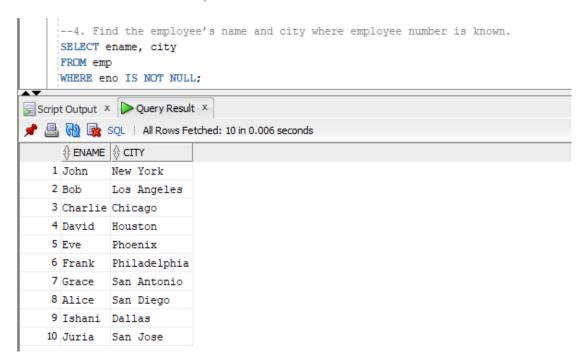


--4. Find the employee's name and city where employee number is known.

SELECT ename, city

FROM emp

WHERE eno IS NOT NULL;



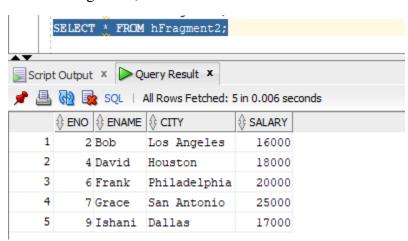
CREATE TABLE hFragment1 AS SELECT * FROM emp WHERE salary <= 15000; CREATE TABLE hFragment2 AS SELECT * FROM emp WHERE salary > 15000;

SELECT * FROM hFragment1;

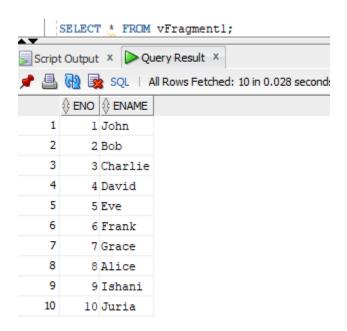


SELECT *

FROM hFragment2;



CREATE TABLE vFragment1 AS SELECT eno, ename FROM emp;
CREATE TABLE vFragment2 AS SELECT eno, city, salary FROM emp;
SELECT * FROM vFragment1;



SELECT * FROM vFragment2;

