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Programme: B.Tech CSE (Spec. AI&ML) (Batch 5) Course: Advanced Database Management Systems

LAB 6

Title: To understand the concepts of Views.

Objective: Students will be able to implement the concept of views.

1. Create a table of table name: EMPLOYEES and add 6 rows

Column Name	Data Type	Width	Attributes
Employee_id	character	10	PK
First_Name	character	30	NN
Last_Name	character	30	NN
DOB	date	-	-
Salary	number	25	NN
Department_id	character	10	-

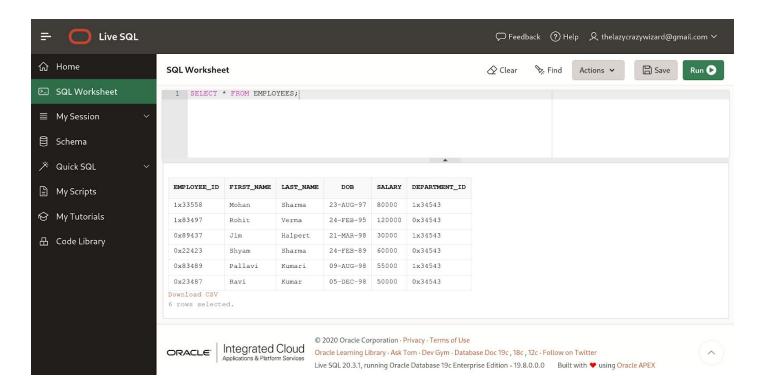
Ans.1

CREATE TABLE EMPLOYEES(

INSERT INTO EMPLOYEES (Employee_id, First_Name, Last_Name, DOB, Salary, Department_id) VALUES ('0x89437', 'Jim', 'Halpert', to_date('21-03-1998', 'dd-mm-yyyy'), 30000, '1x34543');

INSERT INTO EMPLOYEES (Employee_id, First_Name, Last_Name, DOB, Salary, Department_id) VALUES ('0x22423', 'Shyam', 'Sharma', to_date('24-02-1989', 'dd-mm-yyyy'), 60000, '0x34543');

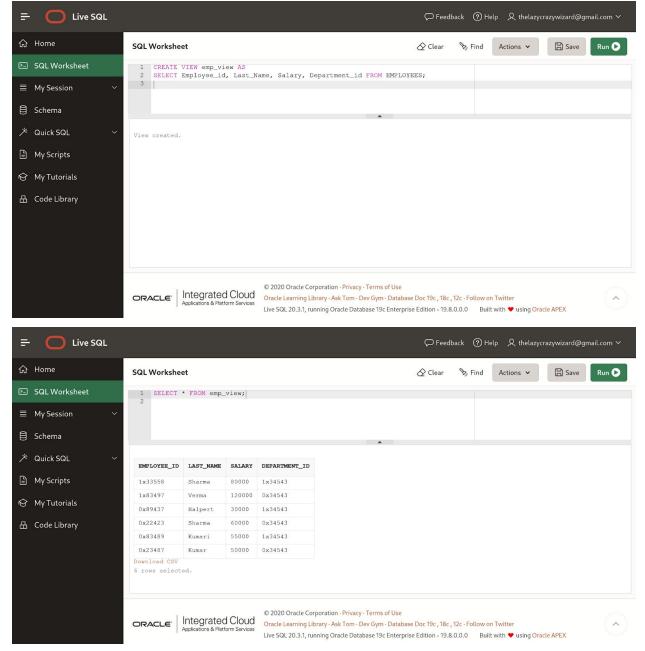
INSERT INTO EMPLOYEES (Employee_id, First_Name, Last_Name, DOB, Salary, Department_id) VALUES ('0x83489', 'Pallavi', 'Kumari', to_date('09-08-1998', 'dd-mm-yyyy'), 55000, '1x34543');



- 2. Execute the following view related queries:
- 2.1. Create View of name emp_view and the column would be Employee_id, Last_Name, salary and department_id only.

Ans.2.1:

CREATE VIEW emp_view AS SELECT Employee_id, Last_Name, Salary, Department_id FROM EMPLOYEES;

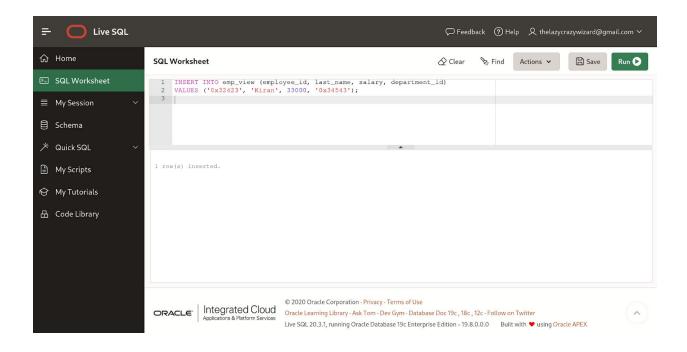


2.2. Insert values into view(remove the NOT NULL constraint and then insert values):

Ans.2.2:

ALTER TABLE employees
MODIFY first_name varchar(30) NULL;

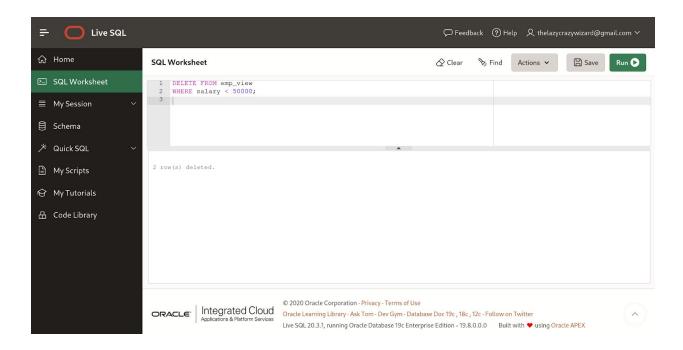
INSERT INTO emp_view (employee_id, last_name, salary, department_id) VALUES ('0x32423', 'Kiran', 33000, '0x34543');



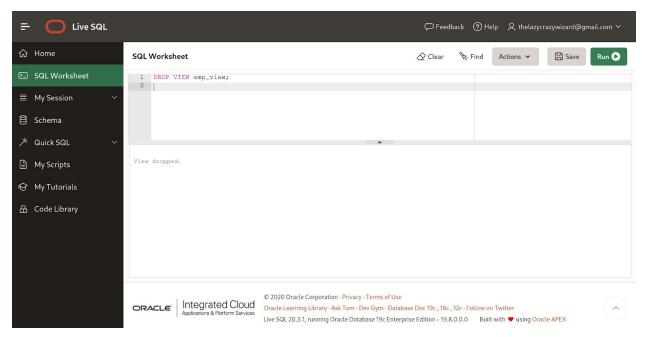
2.3. Modify, delete and drop operations are performed on view.:

Ans.2.3:

DELETE FROM emp_view WHERE salary < 50000;



DROP VIEW emp_view;



2.4. Creates a view named salary_view. The view shows the employees in department 20 and their annual salary

Ans.2.4:

CREATE VIEW salary_view AS SELECT * FROM employees WHERE department_id = '1x34543';

