**Experiment No. 2.2**

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**Branch: MCA - CCD Section/Group: MCD-1/ Grp A**

**Semester: III Date of Performance: 29th Sep 23**

**Subject Name: Business Analytics Subject Code: 22CAH-703**

1. **Aim/Overview of the practical:**

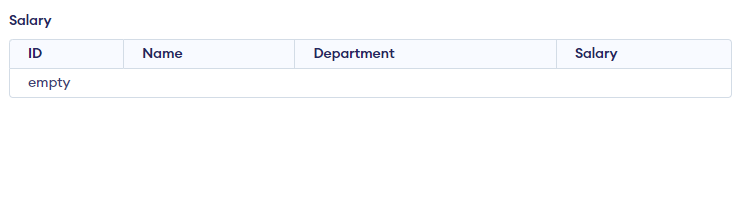
To create, alter, and drop databases, tables, views, functions and indexes.

**2. Code for practical:**

* To create a table in SQL use command

***create table Salary(ID int, Name varchar(20), Department varchar(20), Salary int);***

* It will create a table with same columns.

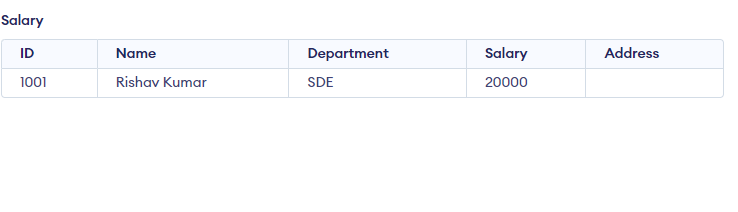


* To insert a record, use following command

***insert into Salary values(1001, "Rishav Kumar", "SDE", 20000);***

* To add a column, we use ALTER

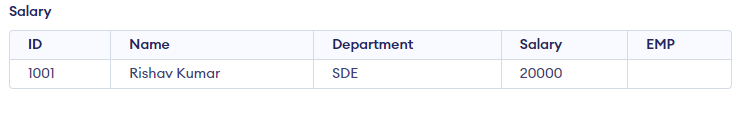
***Alter table Salary add Address;***

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* A new column will be created.
* To Rename table name, use ALTER

***Alter table Salary rename column Address to EMP;***

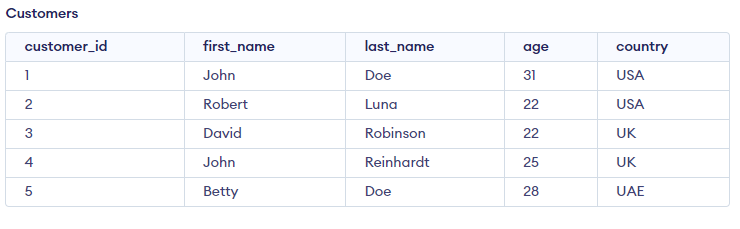
* It will rename Address to EMP.



* Top drop a table use Drop

***Drop table Salary***

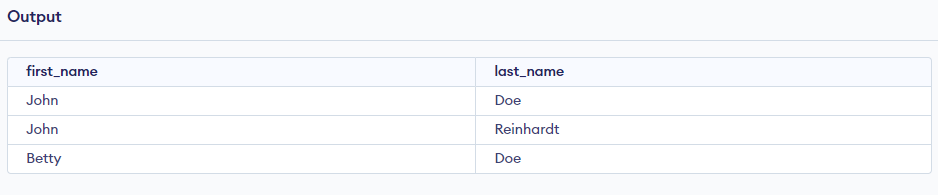
* To create a view, use command



***CREATE VIEW newView AS SELECT first\_name, last\_name FROM Customers WHERE age>22;***

* To see the view, use

***Select \* from newView;***

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* To create index on a selected column use

***CREATE INDEX idx \_last\_name ON Customers (last\_name);***

* To create a function,

***CREATE FUNCTION get\_customer\_info(customer\_id INT)***

***RETURNS TABLE (full\_name TEXT, country TEXT)***

***AS***

***$$***

***BEGIN***

***RETURN QUERY***

***SELECT first\_name || ' ' || last\_name, country***

***FROM customers***

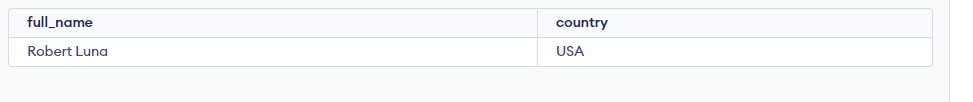
***WHERE customer\_id = get\_customer\_info.customer\_id;***

***END;***

***$$;***

* It will return full name of employee.

***SELECT \* FROM get\_customer\_info(2);***

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