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NAAC GRADE A+ ACCREDITED UNIVERSITY

Experiment No. 2.2

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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.

Salary

ID	Name	Department	Salary
empty			

- 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;

Salary

ID	Name	Department	Salary	Address
1001	Rishav Kumar	SDE	20000	

- 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.

Salary

ID	Name	Department	Salary	EMP
1001	Rishav Kumar	SDE	20000	

- Top drop a table use Drop

Drop table Salary

- To create a view, use command

Customers

customer_id	first_name	last_name	age	country
1	John	Doe	31	USA
2	Robert	Luna	22	USA
3	David	Robinson	22	UK
4	John	Reinhardt	25	UK
5	Betty	Doe	28	UAE

CREATE VIEW newView AS SELECT first_name, last_name FROM Customers WHERE age>22;

- To see the view, use

Select * from newView;

Output

first_name	last_name
John	Doe
John	Reinhardt
Betty	Doe

- 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);

full_name	country
Robert Luna	USA

********** THE END **********