

Aim: To perform various constraint

Theory:-

Constraints are used to limit the type of data that can go into table. This ensures the accuracy and reliability of the data in the table. If there is any violation between the constraint and data action, the action is aborted.

## · SOL NOT NULL constraint

The NOT NULL constraint enforces a column to Not accept null values.

Syntax:

create table table name (
column data-type NOT NULL,
column data-type,

column n data type

· 501 unique constraint

The unique constraint ensures that all values in a column are diffrent.



Syntox:

Create table table-name (
columni datatype unique,
columni datatype,

column dotatype

· SOL Primary key constraint

The PRIMARY KEY constraint uniquely iden tifies each record in table. PRIMARY KEY must contain unique values, and cannot contain NULL values.

Syntax:

Create table table-name (
columni data-type,
columni data-type,

column data-type,
PRIMARY KEY (column);

· SQL FOREIGN KEY constraint

A FOREIGN KEY is a field in one table that refers to the PRIMARY KEY in another table.



## Syntax:

Czeate table table-name!(

column: datatype,

column: datatype,

:

PRIMARY KEY (column)

CREATE toble toble-names (
column 11 datatype,
column 21 datatype,

PRIMARY KEY (column).

FOREIGN KEY (column)

references table-name (column)

## · SOL CHECK constraint

The CHECK constraint is used to limit the value range that can be placed in a column. If you define a check constraint on a column it will allow only certain value for this column.



Syntax:

CREATE table table\_name (

column: data-type,

column data-type,

column data-type,

CHECK ( condition)

);

· SQL DEFAULT constraint

);

The DEFAULT constraint is used to set a default value for a column.

Syntax:

column: data-type,

DEFAULT String

Conclusion:

We Successfully implemented