## NAME: NILAY YADUNATH JAPE. ROLL NO.: 220950320057.

EXERCISE: 1 DBT.

Q.1 PROFESSOR TABLE

**QUERIES:** 

CREATE DATABASE UNIVERSITY;

CREATE TABLE PROFESSOR(

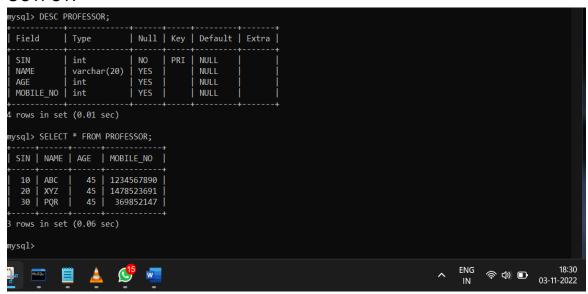
SIN INT PRIMARY KEY,

NAME VARCHAR (20),

AGE INT,

MOBILE NO INT);

## **OUTPUT:**



PRIMARY KEY: SIN

CANDIDATE KEY: SIN, MOBILE\_NO.

**SUPER KEY:** 

SIN, MOBILE\_NO, {SIN, MOBILE\_NO}, {SIN, NAME}, {SIN, AGE} {MOBILE\_NO, NAME},

{MOBILE\_NO, AGE}

FOREIGN KEY BETWEEN PROFESSOR AND COURSE: SIN.

Q. COURSE TABLE

**QUERIES:** 

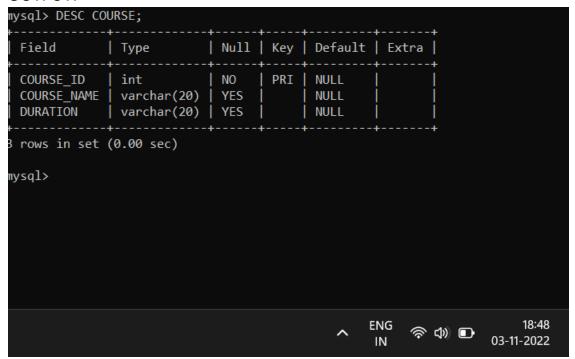
CREATE TABLE COURSE(

COURSE\_ID INT PRIMARY KEY,

COURSE NAME VARCHAR (20),

**DURATION VARCHAR (20));** 

## **OUTPUT:**



PRIMARY KEY: COURSE\_ID.
CANDIDATE KEY: COURSE\_ID

SUPER KEY: COURSE\_ID, {COURSE\_ID, COURSE\_NAME}, {COURSE\_ID, DURATION}.