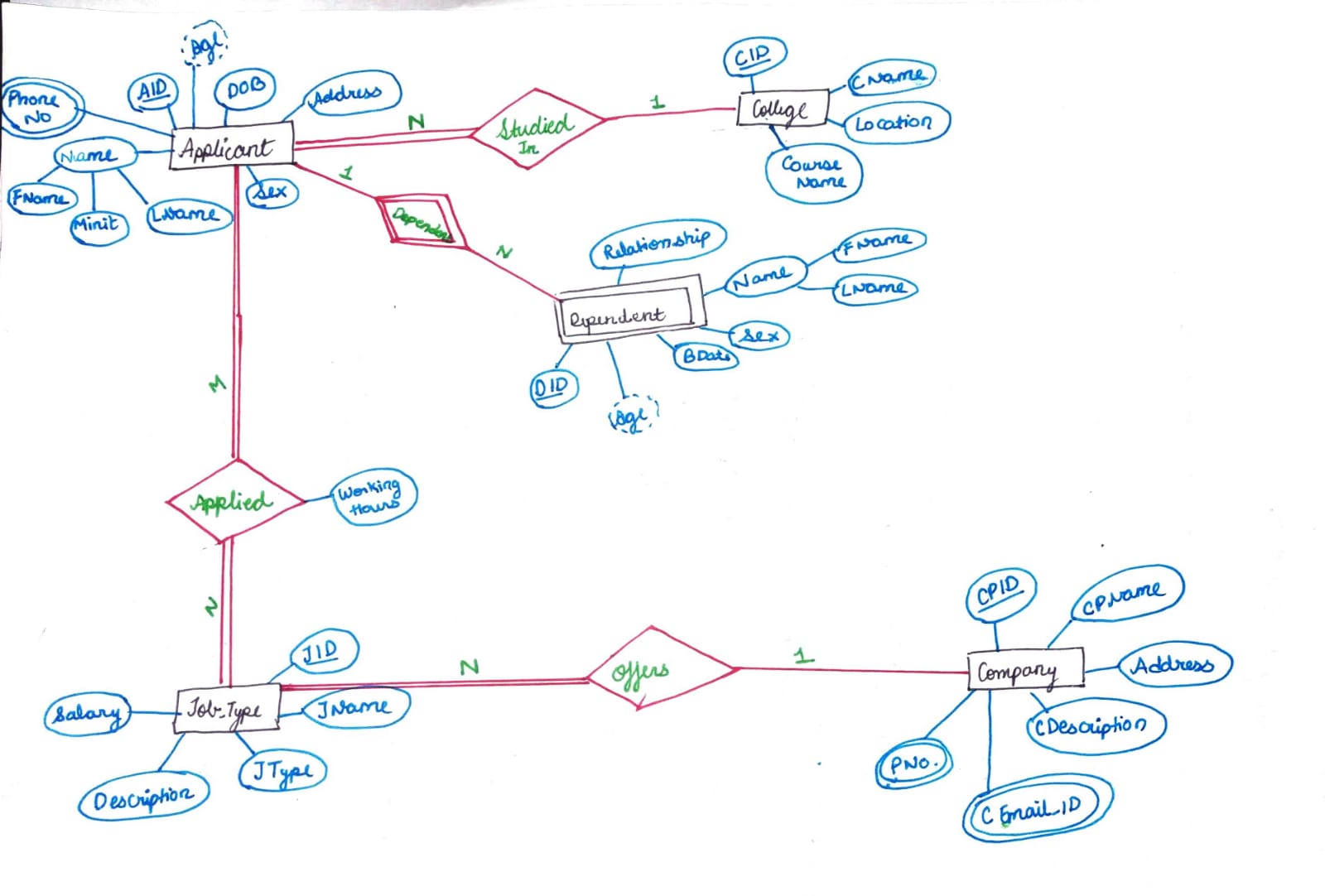
**HIRING INTERNS DATABASE**

**PROJECT MEMBERS:**

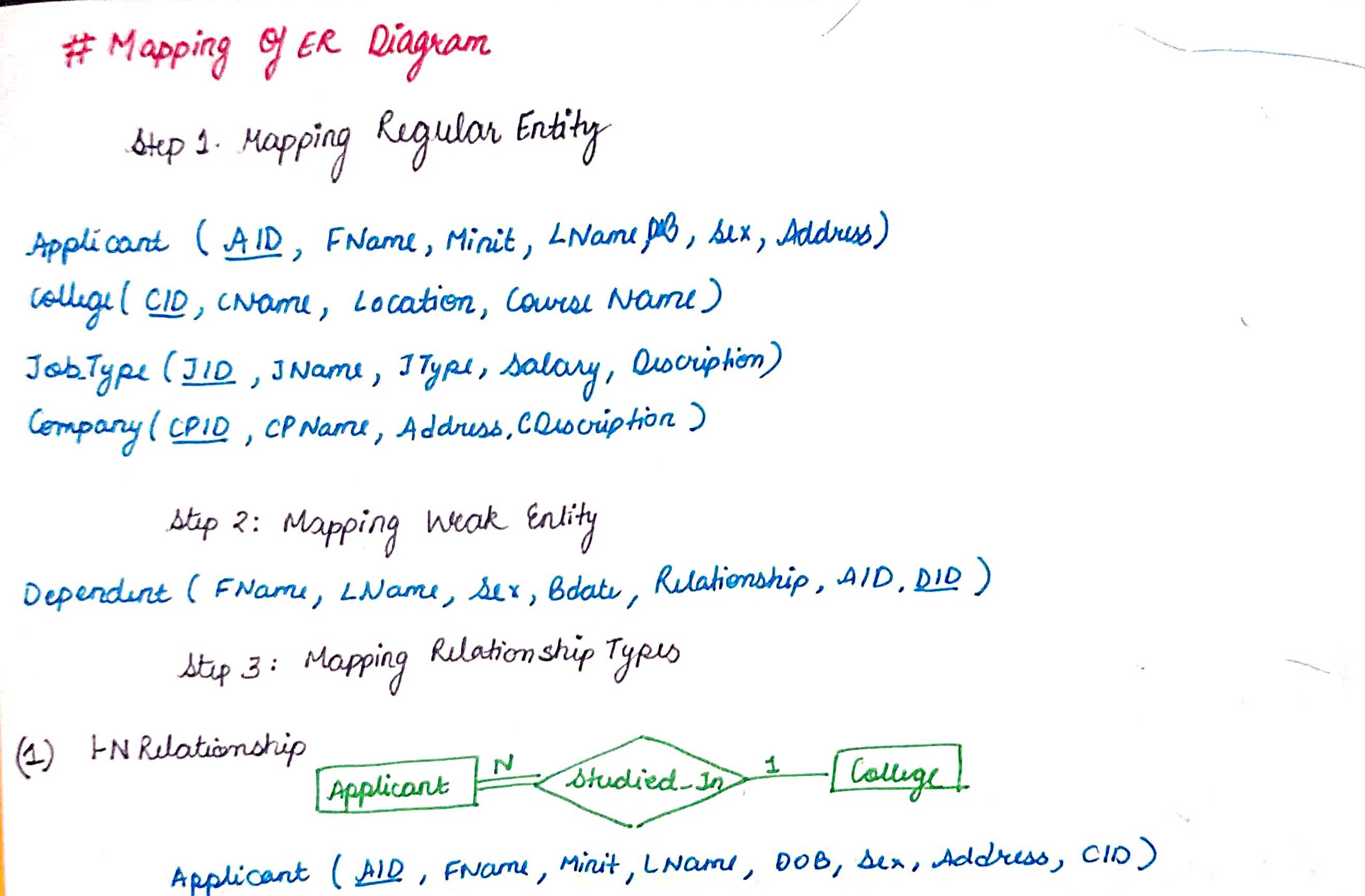
ASHISH(20/49017)

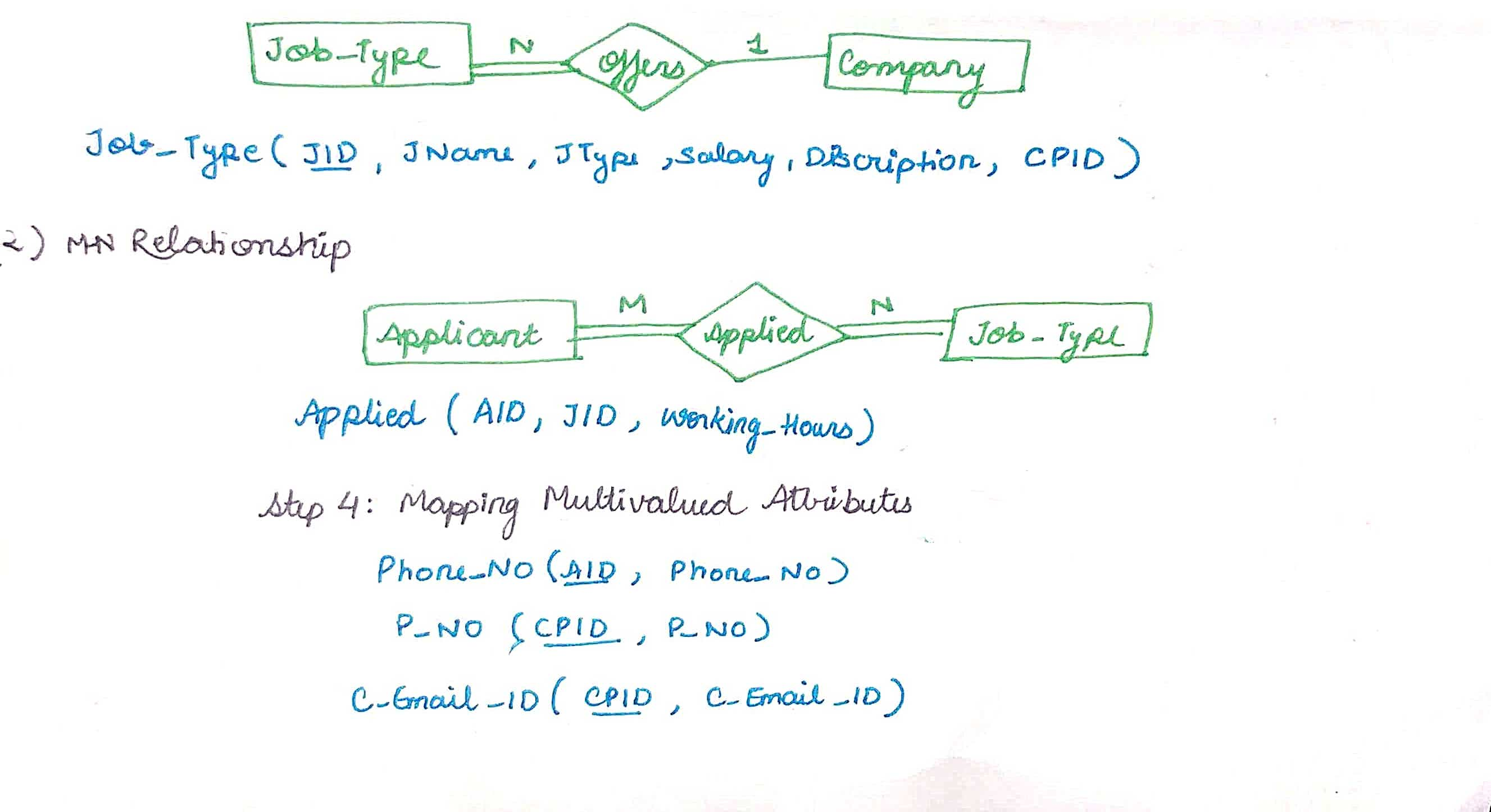
YOGITA(20/49030)

**ER DIAGRAM**

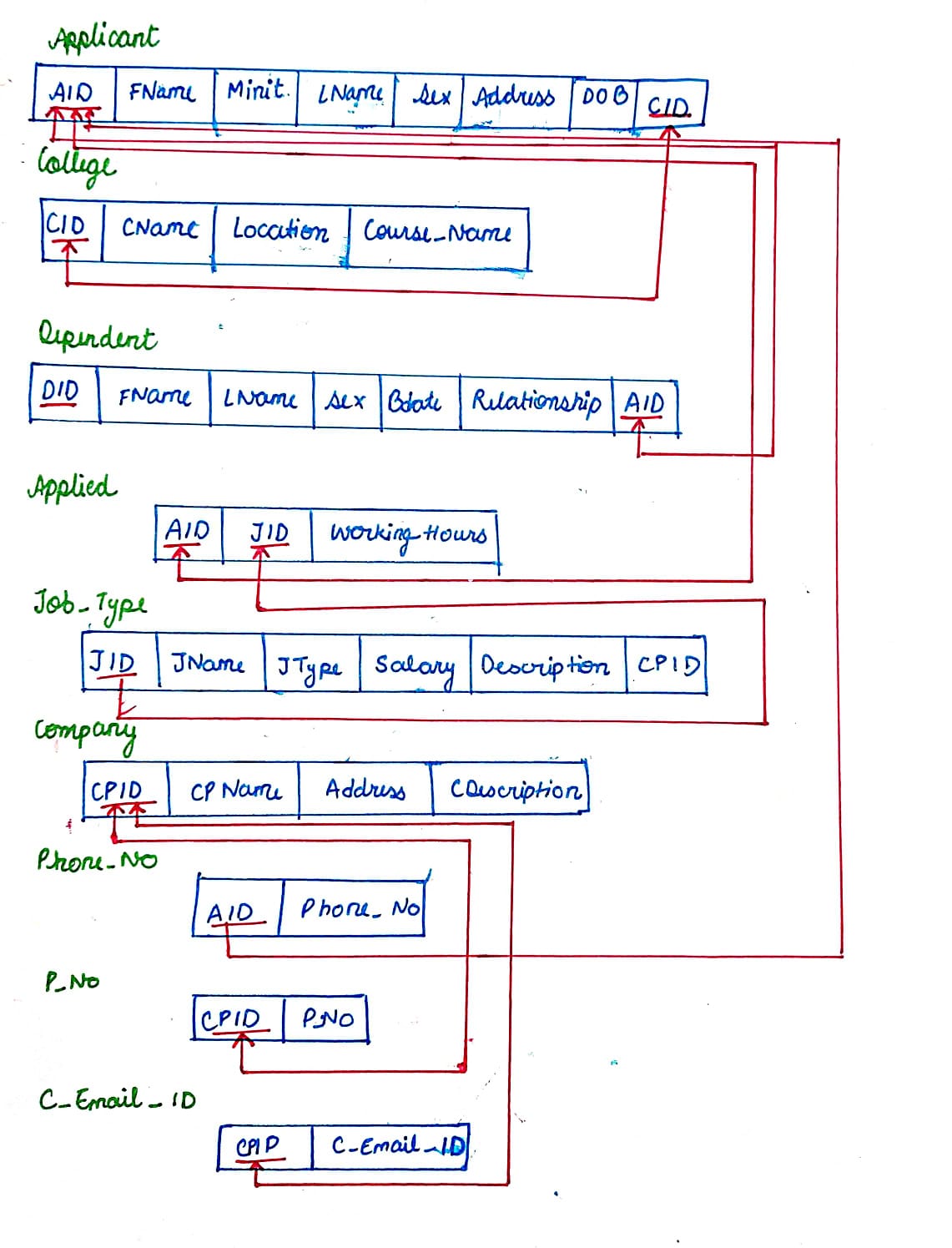


**MAPPING OF ER DIAGRAM**





**SCHEMA**



**COLLEGE**

CREATE TABLE COLLEGE(

-> CID VARCHAR(10) NOT NULL,

-> CNAME VARCHAR(20),

-> LOCATION VARCHAR(20),

-> COURSE\_NAME VARCHAR(20),

-> PRIMARY KEY(CID));

**APPLICANT**

CREATE TABLE APPLICANT(

-> AID VARCHAR(10) NOT NULL,

-> FNAME VARCHAR(20) NOT NULL,

-> MNAME VARCHAR(20),

-> LNAME VARCHAR(20),

-> SEX VARCHAR(5),

-> ADDRESS VARCHAR(20) NOT NULL,

-> DOB DATE NOT NULL,

-> CID VARCHAR(10) NOT NULL,

-> PRIMARY KEY(AID),

-> FOREIGN KEY(CID) REFERENCES COLLEGE(CID));

**DEPENDENT**

CREATE TABLE DEPENDENT(

-> DID VARCHAR(10) NOT NULL,

-> FNAME VARCHAR(20) NOT NULL,

-> LNAME VARCHAR(20),

-> SEX VARCHAR(5),

-> BDATE DATE NOT NULL,

-> RELATIONSHIP VARCHAR(15) NOT NULL,

-> AID VARCHAR(10) NOT NULL,

-> PRIMARY KEY(DID),

-> FOREIGN KEY(AID) REFERENCES APPLICANT(AID));

**COMPANY**

CREATE TABLE COMPANY(

-> CPID VARCHAR(10) NOT NULL,

-> CPNAME VARCHAR(20) NOT NULL,

-> ADDRESS VARCHAR(20) NOT NULL,

-> CDESCRIPTION VARCHAR(20),

-> PRIMARY KEY(CPID));

**JOB\_TYPE**

CREATE TABLE JOB\_TYPE(

-> JID VARCHAR(10) NOT NULL,

-> JNAME VARCHAR(10) NOT NULL,

-> JTYPE VARCHAR(15) NOT NULL,

-> SALARY DECIMAL(10,2),

-> DESCRIPTION VARCHAR(15),

-> CPID VARCHAR(10) NOT NULL,

-> PRIMARY KEY(JID),

-> FOREIGN KEY(CPID) REFERENCES COMPANY(CPID));

**APPLIED**

CREATE TABLE APPLIED(

-> AID VARCHAR(10) NOT NULL,

-> JID VARCHAR(10) NOT NULL,

-> WORKING\_HOURS DECIMAL(3,1) NOT NULL,

-> FOREIGN KEY(AID) REFERENCES APPLICANT(AID),

-> FOREIGN KEY(JID) REFERENCES JOB\_TYPE(JID));

**PHONE\_NO**

CREATE TABLE PHONE\_NO(

-> AID VARCHAR(10) NOT NULL,

-> PHONE\_NO INT,

-> FOREIGN KEY(AID) REFERENCES APPLICANT(AID));

**P\_NO**

CREATE TABLE P\_NO(

-> CPID VARCHAR(10) NOT NULL,

-> P\_NO INT,

-> FOREIGN KEY(CPID) REFERENCES COMPANY(CPID))

**C\_EMAIL\_ID**

CREATE TABLE C\_EMAIL\_ID(

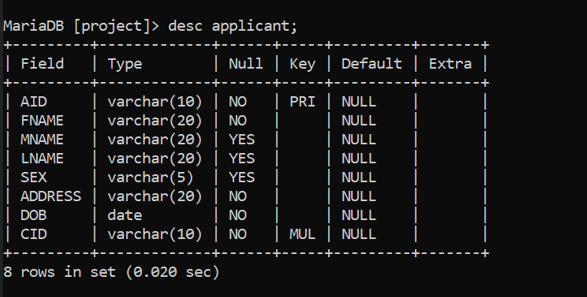
-> CPID VARCHAR(10) NOT NULL,

-> C\_EMAIL\_ID VARCHAR(20) NOT NULL,

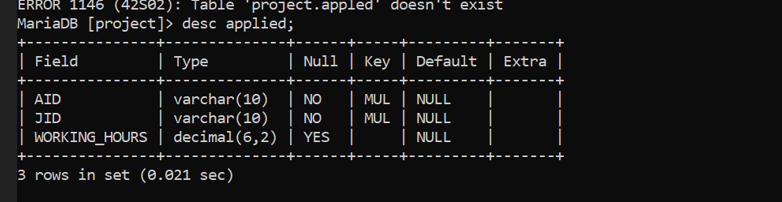
-> FOREIGN KEY(CPID) REFERENCES COMPANY(CPID));

**SHOWING TABLES THROUGH DESC COMMAND**

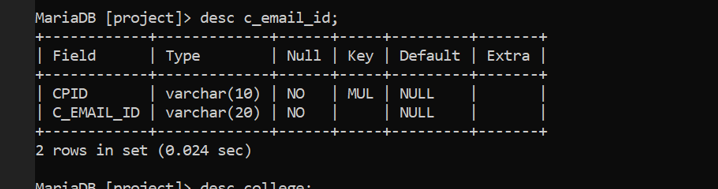
**DESC APPLICANT**



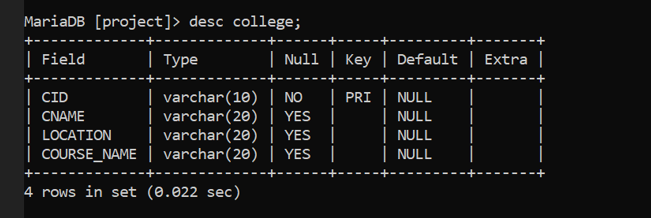
DESC APPLIED



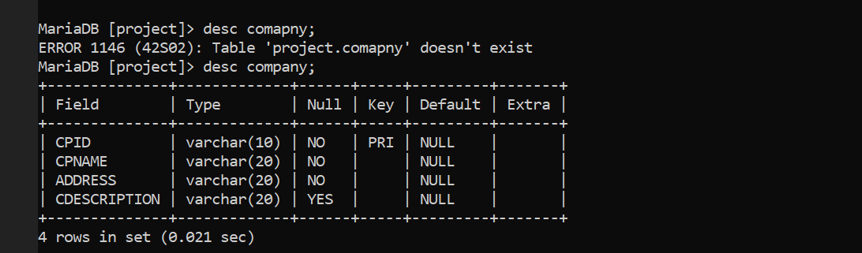
DESC C\_EMAIL\_ID



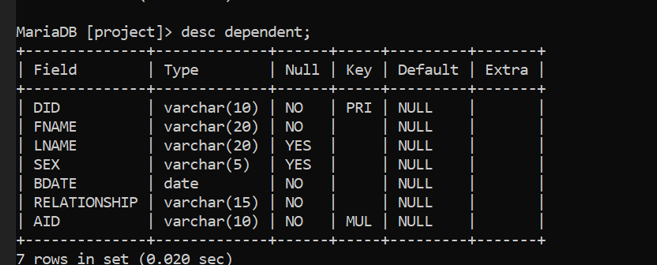
DESC COLLEGE



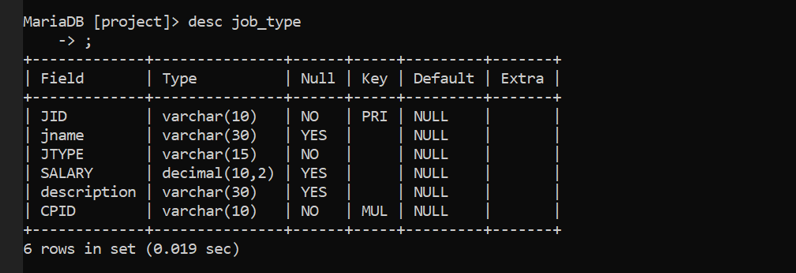
DESC COMPANY



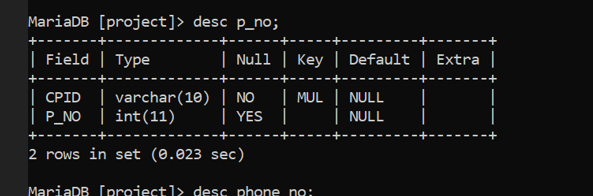
DESC DEPENDENT



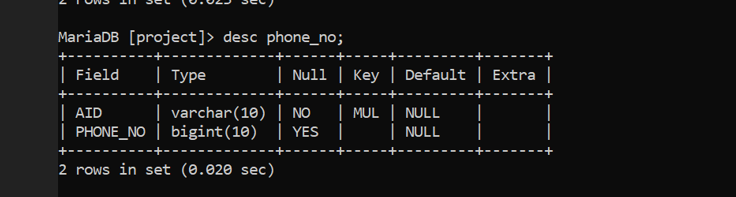
DESC JOB\_TYPE



DESC P\_NO

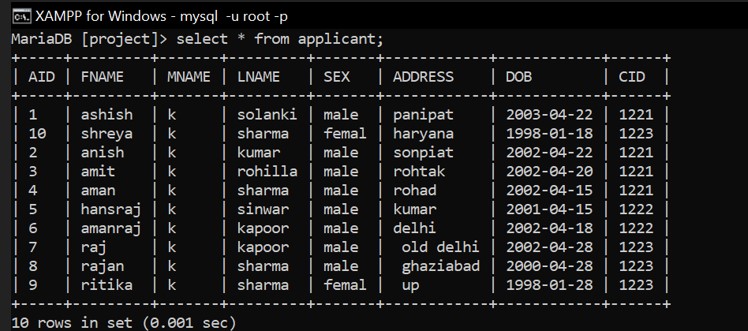


DESC PHONE\_NO

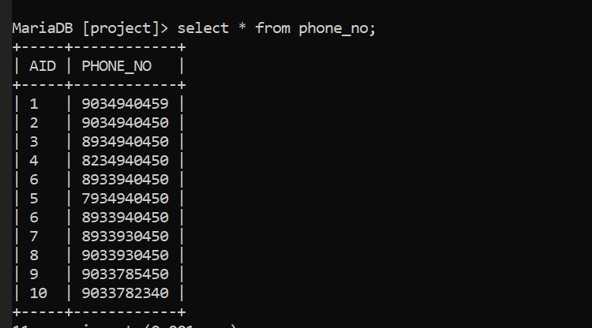


**SHOWING DATA IN TABLES THROUGH SELECT COMMAND**

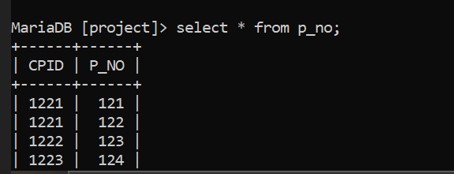
**SELECT \* FROM APPLICANT**



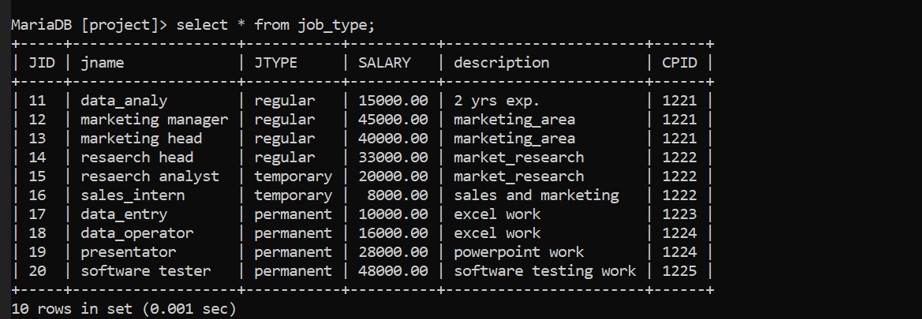
**SELECT \* FROM PHONE\_NO**

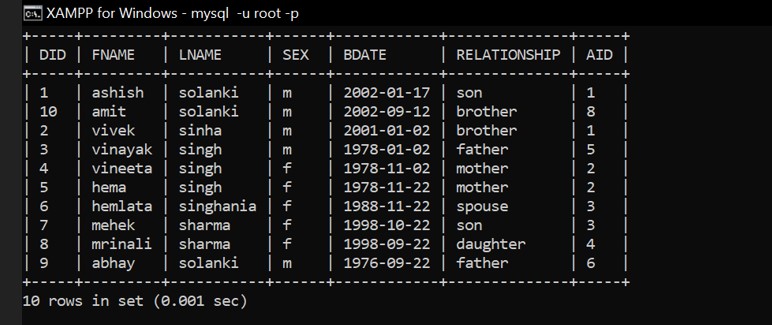


**SELECT \* FROM P\_NO**



**SELECT \* FROM JOB\_TYPE**

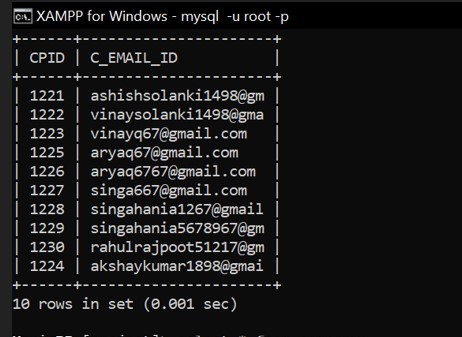




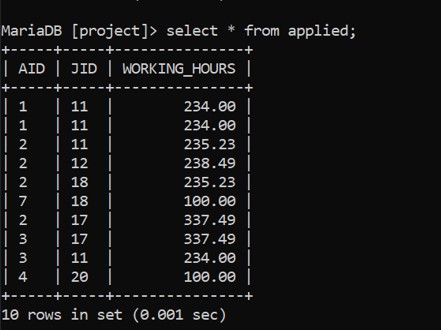
**SELECT \* FROM COMPANY**



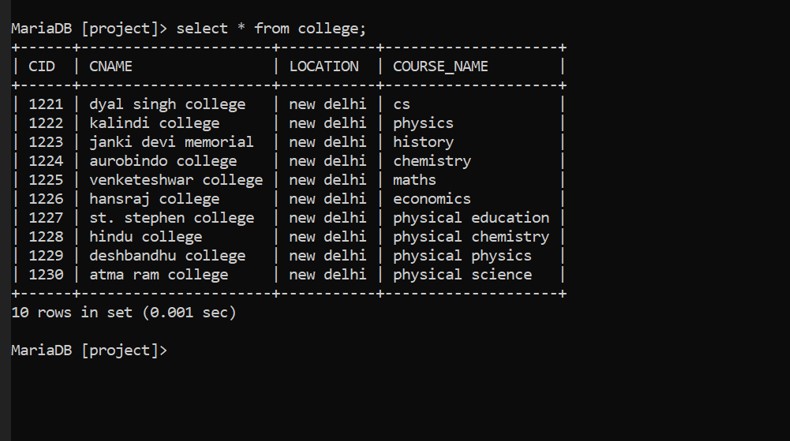
**SELECT \* FROM C\_EMAIL\_ID**



**SELECT \* FROM APPLIED**



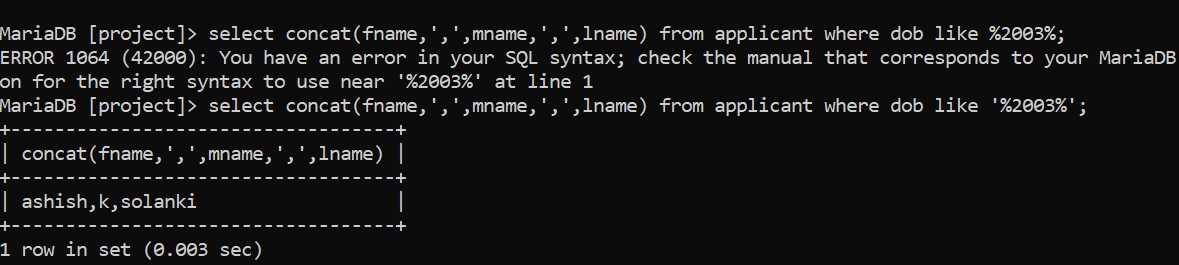
**SELECT \* FROM COLLEGE**



**QUERIES**

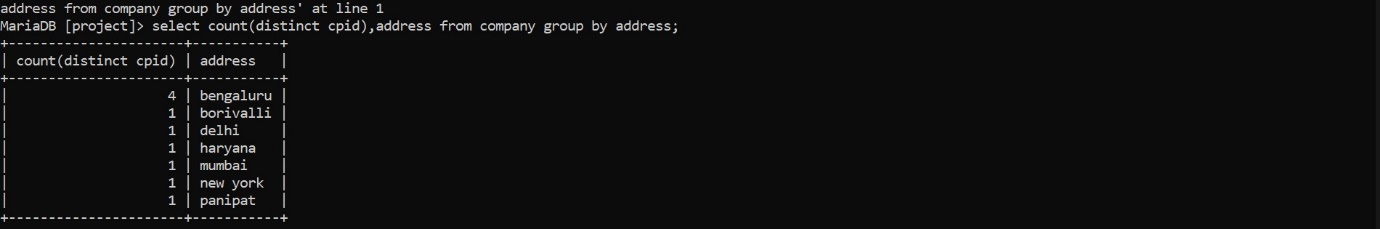
Query 1 Query to display name of applicant who born in 2000.

SELECT CONCAT (‘FNAME’,’ ’,’MINIT’,’ ’,’LNAME’), DOB FROM APPLICANT WHERE BDATE=’2003’;



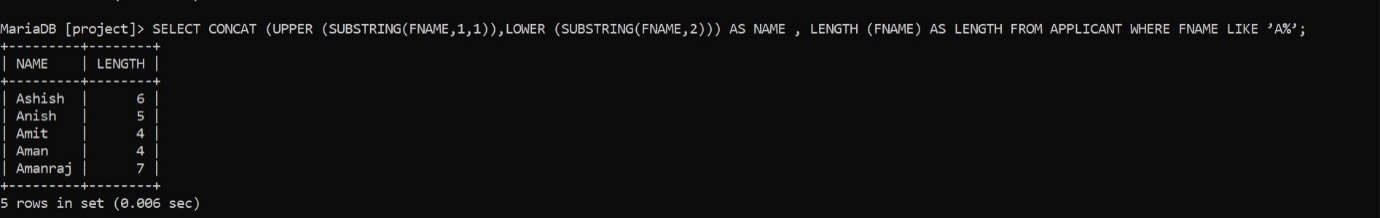
QUERY 2 Display total no. of company at each location.

SELECT COUNT (DISTINCT CPID), ADDRESS FROM COMPANY GROUP BY ADDRESS;



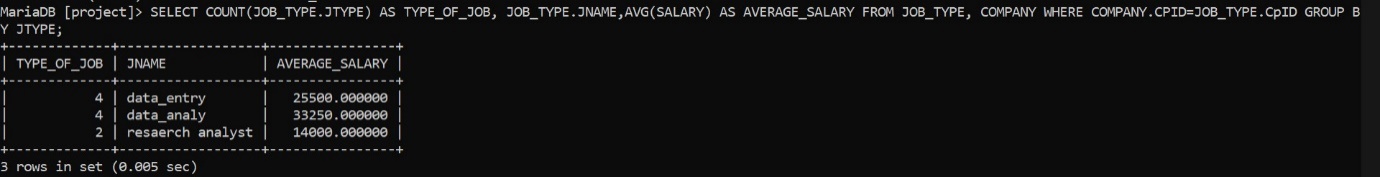
QUERY 3Query to display name with 1st letter capitalized and all other letter lower case and length of first name who name starts with ‘A’.

SELECT CONCAT (UPPER (SUBSTRING(FNAME,1,1)),LOWER (SUBSTRING(FNAME,2))) AS NAME , LENGTH (FNAME) AS LENGTH FROM APPLICANT WHERE FNAME LIKE ’A%’;



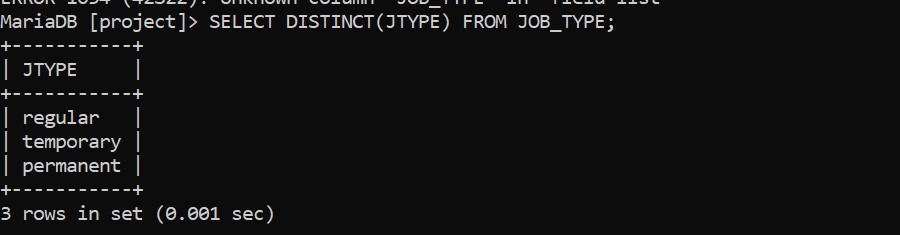
QUERY 4 Display the average salary in the department.

SELECT COUNT(JOB\_TYPE.JTYPE) AS TYPE\_OF\_JOB, JOB\_TYPE.JNAME,AVG(SALARY) AS AVERAGE\_SALARY FROM JOB\_TYPE, COMPANY WHERE COMPANY.CPID=JOB\_TYPE.CID GROUP BY JTYPE;



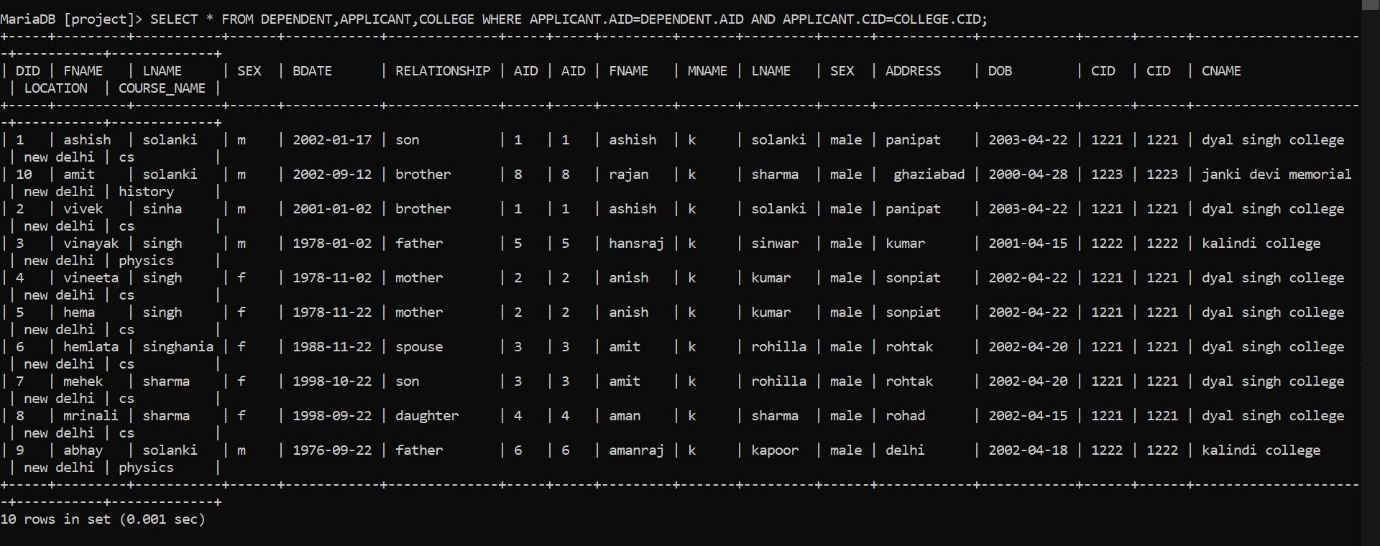
QUERY 5 Display unique Job type.

SELECT DISTINCT(J\_TYPE) FROM JOB\_TYPE;



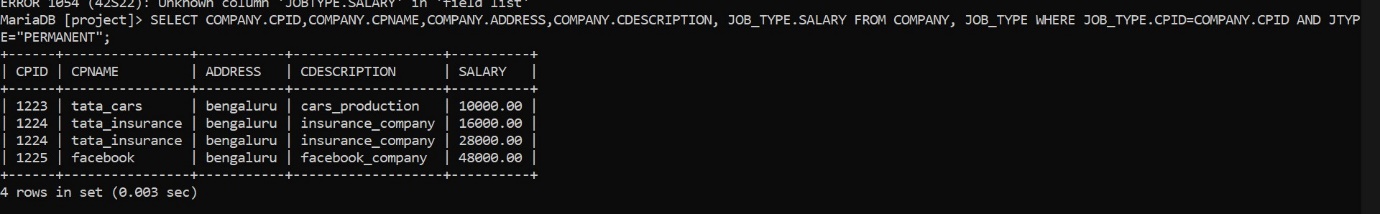
QUERY 6 Display the details of dependents of the applicant who have qualified from DSC.

SELECT \* FROM DEPENDENT WHERE APPLICANT.AID=DEPENDENT.AID AND APPLICANT.CID=COLLEGE.CID;



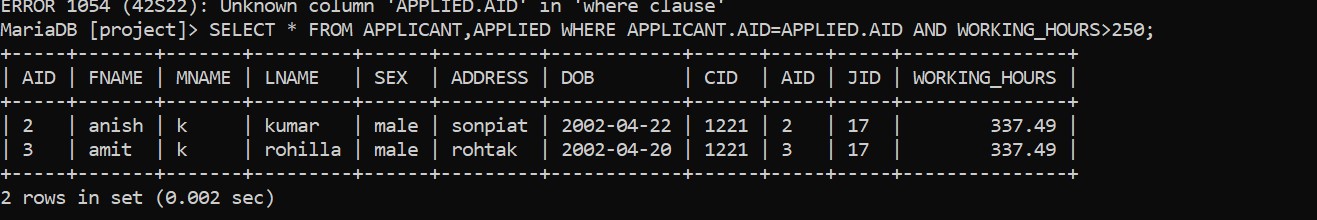
QUERY 7 Display the details of company where job type is permanent along with salary.

SELECT COMPANY.CPID,COMPANY.CPNAME,COMPANY.ADDRESS,COMPANY.CDESCRIPTION, JOBTYPE.SALARY FROM COMPANY, JOB\_TYPE WHERE JOB\_TYPE.CPID=COMPANY.CPID AND JTYPE=”PERMANENT”;



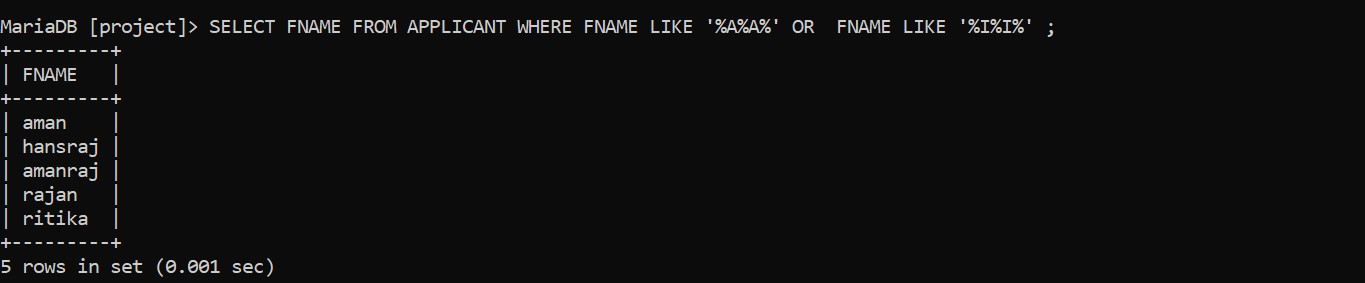
QUERY 8 Query to display the details of applicant whose working more than 250.

SELECT \* FROM APPLICANT WHERE APPLICANT.AID=APPLIED.AID AND WORKING\_HOURS>250;



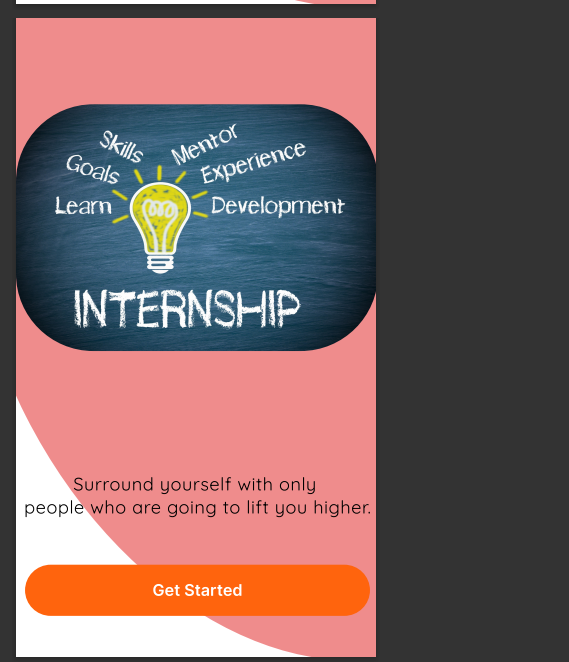
**QUERY 9 DISPLAY THE NAMES WITH TWO A OR TWO I**

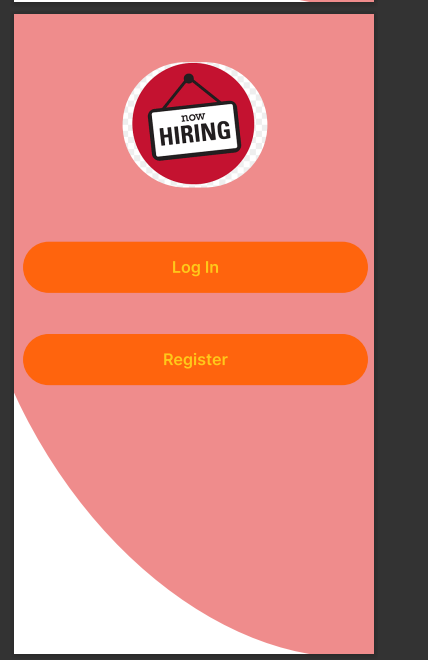
**SELECT FNAME FROM APPLICANT WHERE FNAME LIKE '%A%A%' OR FNAME LIKE '%I%I%' ;**

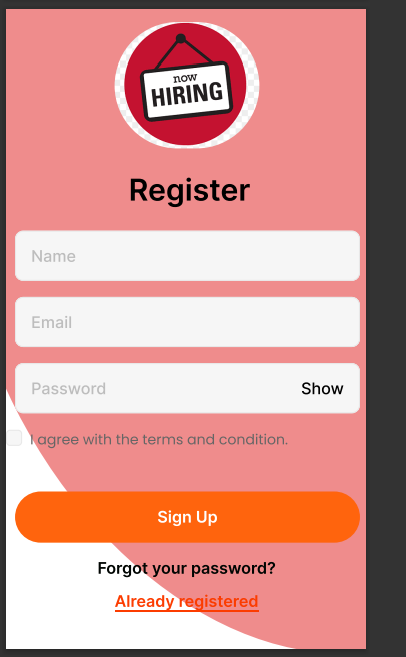


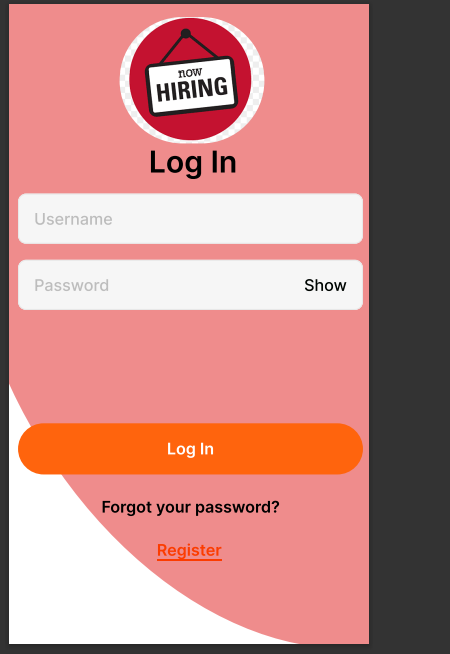
**GUI**

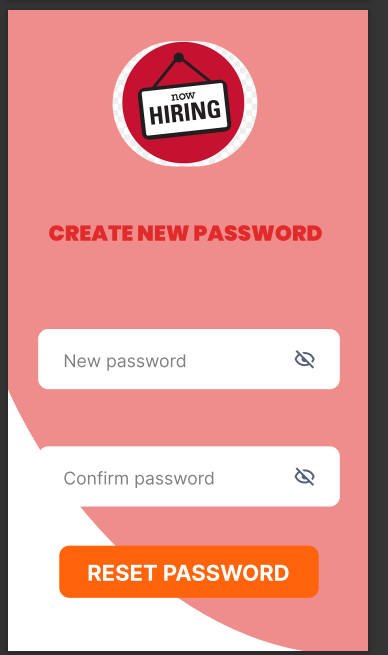
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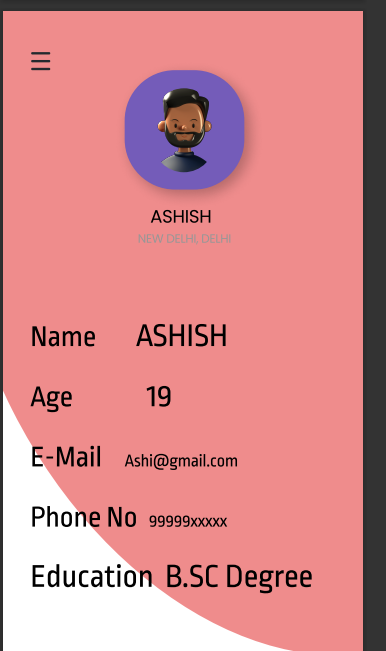
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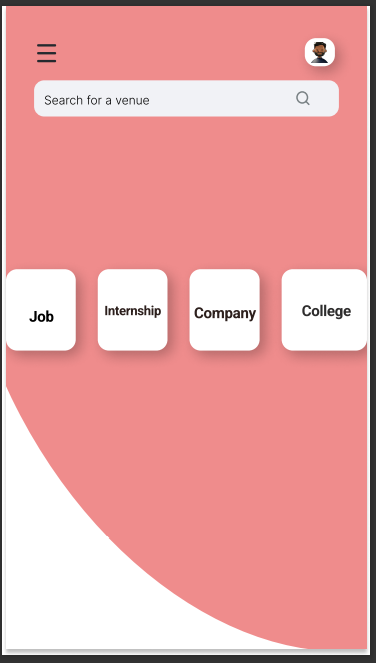
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