NAME:	DEEPANSHU AGGARWAL, VAISHNAVI BORKAR, UTSAV AVAIYA
SEMESTER:	3 RD SEMESTER
UID'S:	2021300002,2021300016,2021300005
BRANCH:	COMPS A
BATCH:	A1
SUBJECT:	DBMS
EXP:	EXPERIMENT 2
AIM:	To create a database and populate using SQL commands (With constraints).
STATEMENT AND ER DIAGRAM:	Country Read Country C
PROGRAM:	CREATING AND ENTERING VALUES IN COURSE TABLE
	CREATE TABLE Courses(Course_Code INT not null, Total_Seats INT, Course_Name VARCHAR(20),StartDate VARCHAR(10),Fee INT not null, primary key(Course_Code));

INSERT INTO courses VALUES(1011,60,"JEE","10\4\2",150000);

INSERT INTO courses VALUES(1012,60,"JEE ADVANCED","12\4\2",180000);

INSERT INTO courses VALUES(1013,70,"NEET","8\4\2",130000);

INSERT INTO courses VALUES(1014,70,"NEET PG","10\4\2",170000);

INSERT INTO courses VALUES(1015,120,"GATE","4\7\2",100000);

CREATING AND ENTERING VALUES IN FACULTY TABLE

CREATE TABLE Faculty(F_id int not null,Subject VARCHAR(20),Name VARCHAR(30), age int not null, primary key(F_id));

INSERT INTO faculty VALUES(001,"MATHEMATICS","GAJENDRA PUROHIT",50);

INSERT INTO faculty VALUES(002,"PHYSICS","AMAN AGGARWAL",35);

INSERT INTO faculty VALUES(003,"CHEMISTRY","RONAK PATEL",40);

INSERT INTO faculty VALUES(004,"MATHEMATICS","NEHA AGRAWAL",30);

INSERT INTO faculty VALUES(005, "SCIENCE", "ALAKH PANDEY", 36);

INSERT INTO faculty VALUES(006,"ZOOLOGY","SAKSHI PANDEY",29);

INSERT INTO faculty VALUES(007,"BOTANY","POONAM RAWAT",29);

INSERT INTO faculty VALUES(008,"ZOOLOGY ADV","ANKIT SHARMA",48);

INSERT INTO faculty VALUES(009, "BOTANY ADV", "POOJA MATRE", 41);

INSERT INTO faculty VALUES(010,"ENG MATHEMATICS","VAISHNAVI BORKAR",58);

INSERT INTO faculty VALUES(011,"ENG PHYSICS","UTSAV AVAIYA",28);

INSERT INTO faculty VALUES(012,"COMP PROGRAMMING","DEEPANSHU AGGARWAL",24);

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CREATE TABLE FIELD(S_NO INT, FIELD_T VARCHAR(30));
ALTER TABLE field ADD PRIMARY KEY(S NO);
INSERT INTO FIELD VALUES(1,"Engineering Student");
INSERT INTO FIELD VALUES(2,"Medical Student");
CREATING AND ENTERING VALUES IN STUDENT TABLE
CREATE TABLE STUDENT(S_NAME VARCHAR(20), S_ID INT, ADDRESS VARCHAR(50),
CONTACT_NO VARCHAR(10),field_NO INT);
ALTER TABLE STUDENT ADD PRIMARY KEY(S ID);
INSERT INTO student VALUES("DEEP",2001,"JAMMU","700606****",1);
INSERT INTO student VALUES("DEEPAK", 2002, "LUDHIANA", "990628****", 1);
INSERT INTO student VALUES("TARAK",2003,"GUJRAT","98761****",1);
INSERT INTO student VALUES("DHARA",2004,"WESTBENGAL","700606****",1);
INSERT INTO student VALUES("ANKITA",2005,"AMRITSAR","785426****",2);
INSERT INTO student VALUES("VASUDHA",2006,"RAIGARH","659823****",2);
INSERT INTO student VALUES("TOMPER",2007,"MUMBAI","983467****",1);
INSERT INTO student VALUES("VINEET",2008,"KOLABA","981167****",1);
INSERT INTO student VALUES("JUSTIN", 2009, "AMSTERDAM", "663467****", 1);
CREATING AND ENTERING VALUES IN TAUGHT BY TABLE
CREATE TABLE taught_by(Course_Code INT, F_id INT, foreign key(Course_Code)
references Courses (Course Code), foreign key(F id) references Faculty(F id));
insert into taught by values(1011,9);
insert into taught_by values(1011,11);
insert into taught by values(1011,1);
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CREATING AND ENTERING VALUES IN FIELD TABLE

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insert into taught_by values(1011,12);
insert into taught_by values(1013,2);
insert into taught by values(1015,3);
insert into taught_by values(1011,4);
insert into taught_by values(1012,5);
insert into taught_by values(1014,6);
insert into taught_by values(1013,8);
insert into taught by values(1015,7);
insert into taught_by values(1011,10);
CREATING AND ENTERING VALUES IN ENROLLMENT TABLE
CREATE TABLE taught_by(Course_Code INT, S_id INT, foreign key(Course_Code)
references Courses(Course_Code),foreign key(S_id) references Student(S_id));
insert into enrollment values(2001,1011);
insert into enrollment values(2002,1015);
insert into enrollment values(2003,1013);
insert into enrollment values (2004, 1011);
insert into enrollment values (2005, 1012);
insert into enrollment values (2006, 1014);
insert into enrollment values (2007, 1013);
insert into enrollment values (2008, 1015);
insert into enrollment values (2009, 1011);
```

RESULT:

COURSE TABLE



FACULTY TABLE

F_id	Subject	Name	age
abc Filter	a <mark>b</mark> c Filter	abc Filter	a <mark>b</mark> c Filter
1	MATHEMATICS	GAJENDRA PUROHIT	50
2	PHYSICS	AMAN AGGARWAL	35
3	CHEMISTRY	RONAK PATEL	40
4	MATHEMATICS	NEHA AGRAWAL	30
5	SCIENCE	ALAKH PANDEY	36
6	ZOOLOGY	SAKSHI PANDEY	29
7	BOTANY	POONAM RAWAT	29
8	ZOOLOGY ADV	ANKIT SHARMA	48
9	BOTANY ADV	POOJA MATRE	41
10	ENG MATHEMATICS	VAISHNAVI BORKAR	58
11	ENG PHYSICS	UTSAV AVAIYA	28
12	COMP PROGRAMMING	DEEPANSHU AGGARW	24

STUDENT TABLE

S_NAME	S_ID	ADDRESS	CONTACT_NO	field_NO
a <mark>b</mark> c Filter	abc Filter	abc Filter	abc Filter	abc Filter
DEEP	2001	JAMMU	700606****	1
DEEPAK	2002	LUDHIANA	990628****	1
TARAK	2003	GUJRAT	98761****	1
DHARA	2004	WESTBENGAL	700606****	1
ANKITA	2005	AMRITSAR	785426****	2
VASUDHA	2006	RAIGARH	659823****	2
TOMPER	2007	MUMBAI	983467****	1
VINEET	2008	KOLABA	981167****	1
JUSTIN	2009	AMSTERDAM	663467****	1

FIELD TABLE



ENROLLMENT TABLE

S_ID	Course_Code	
a <mark>b</mark> c Filter	abc Filter	
2001	1011	
2002	1015	
2003	1013	
2004	1011	
2005	1012	
2006	1014	
2007	1013	
2008	1015	
2009	1011	

TAUGHT_BY			
Course_Code	F_id		
a <mark>b</mark> c Filter	abc Filter		
1011	9		
1011	11		
1011	1		
1011	12		
1013	2		
1015	3		
1011	4		
1012	5		
1014	6		
1013	8		
1015	7		
1011	10		
	ed tables using multip y key , foreign key et	ole commands . We us c.	ed alter