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Experiment No.	C.2
Topic	Crime Records

AIM:	To create a database and populate using SQL commands (With constraints)					
	Program 1					
PROBLEM STATEMENT:	To create a database and populate using SQL commands (With constraints)					
	 Data Definition Language- Create, Alter, Drop, Rename, Truncate Data Manipulation Language- Insert, Update, Delete, Select Constraints-Not Null, Unique Key, Primary Key, Foreign Key, Check, Dropping a Constraint. 					

RESULT:

```
-- Create Database --
       CREATE DATABASE Crim Toggle whether execution of SQL script should continue after failed statements
 2 •
       USE CriminalRecord;
 3 •
        -- Create Criminal Table --
 6 ● ⊖ CREATE TABLE Criminal (
        criminal_id INT PRIMARY KEY, name VARCHAR(30), birth_place VARCHAR(20), dob DATE, gender ENUM("Male", "Female"),
        blood_group ENUM("O+", "A+", "B+", "AB+", "O-", "A-", "B-", "AB-"), national_id BIGINT UNSIGNED, passport_id BIGINT UNSIGNED,
        threat_level ENUM("Low", "High", "Severe"), previous_occupation_name VARCHAR(20),
10
       previous_occupation_income INT UNSIGNED, current_occupation_name VARCHAR(20),
11
        current_occupation_income INT UNSIGNED
12
13
14
        -- Update Columns --
15 • ALTER TABLE Criminal MODIFY COLUMN national_id BIGINT UNSIGNED UNIQUE;
       ALTER TABLE Criminal MODIFY COLUMN passport_id BIGINT UNSIGNED UNIQUE;
16 •
17
        -- View Table Schema --
18
19 • DESC Criminal;
20
```

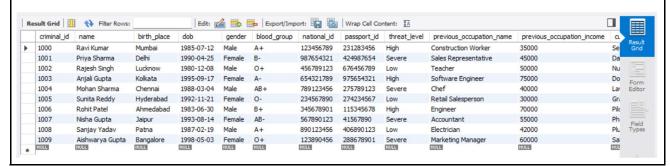
Output

	Field	Type	Null	Key	Default	Extra
١	criminal_id	int	NO	PRI	NULL	
	name	varchar(30)	YES		NULL	
	birth_place	varchar(20)	YES		NULL	
	dob	date	YES		NULL	
	gender	enum('Male', 'Female')	YES		NULL	
	blood_group	enum('O+','A+','B+','AB+','O-','A-','B-','AB-')	YES		NULL	
	national_id	bigint unsigned	YES	UNI	NULL	
	passport_id	bigint unsigned	YES	UNI	NULL	
	threat_level	enum('Low','High','Severe')	YES		NULL	
	previous_occupation_name	varchar(20)	YES		NULL	
	previous_occupation_income	int unsigned	YES		NULL	
	current_occupation_name	varchar(20)	YES		NULL	
	current occupation income	int unsigned	YES		NULL	

Inserting Values

```
-- Insert Data --
        (1000, "Ravi Kumar", "Mumbai", "1985-07-12", "Male", "A+", 123456789, 231283456, "High", "Construction Worker", 35000, "Security Guard", 40000),
23
24
        (1001, "Priya Sharma", "Delhi", "1990-04-25", "Female", "8-", 987654321, 424987654, "Severe", "Sales Representative", 45000, "Data Analyst", 55000),
        (1002, "Rajesh Singh", "Lucknow", "1980-12-08", "Male", "O+", 456789123, 676456789, "Low", "Teacher", 50000, "Nurse", 60000),
        (1003, "Anjali Gupta", "Kolkata", "1995-09-17", "Female", "A-", 654321789, 975654321, "High", "Software Engineer", 75000, "Doctor", 100000),
26
27
        (1004, "Mohan Sharma", "Chennai", "1988-03-04", "Male", "AB+", 789123456, 275789123, "Severe", "Chef", 40000, "Lawyer", 80000),
        (1005, "Sunita Reddy", "Hyderabad", "1992-11-21", "Female", "O-", 234567890, 274234567, "Low", "Retail Salesperson", 30000, "Graphic Designer", 45000),
28
29
        (1006, "Rohit Patel", "Ahmedabad", "1983-06-30", "Male", "8+", 345678901, 115345678, "High", "Engineer", 70000, "Pilot", 110000),
30
        (1007, "Nisha Gupta", "Jaipur", "1993-08-14", "Female", "AB-", 567890123, 041567890, "Severe", "Accountant", 55000, "Pharmacist", 90000),
        (1008, "Sanjay Yadav", "Patna", "1987-02-19", "Male", "A+", 890123456, 406890123, "Low", "Electrician", 42000, "Plumber", 48000),
31
        (1009, "Aishwarya Gupta", "Bangalore", "1998-05-03", "Female", "0+", 123890456, 288678901, "Severe", "Marketing Manager", 60000, "Sales Manager", 70000);
32
33
        -- View Table Data --
34
35 •
      SELECT * FROM Criminal;
```

Output



```
37 • CREATE TABLE Physical_Appearance(id INT NOT NULL, height varchar(3), weight varchar(3),
       eye_color varchar(10), hair_color varchar(10), FOREIGN KEY (id) REFERENCES Criminal(criminal_id)
38
39
40
41 •
       DESC Physical_Appearance;
42
43 •
       INSERT INTO Physical_Appearance values
       (1000, "178", "70", "Blue", "Black"),
44
       (1001, "168", "60", "Black", "Red"),
45
46
       (1002, "173", "75", "Hazel", "Brown"),
47
       (1003, "170", "58", "Brown", "Black"),
       (1004, "183", "80", "Black", "Grey"),
48
       (1005, "165", "55", "Brown", "Brown"),
49
       (1006, "188", "90", "Brown", "Black"),
50
51
       (1007, "168", "65", "Hazel", "Brown"),
       (1008, "175", "70", "Brown", "Black"),
52
53
       (1009, "173", "60", "Brown", "Black");
54
       SELECT * FROM Physical_Appearance;
55 •
56
```

Output

