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<b>Experiment No.</b>	C.2
<b>Topic</b>	Crime Records

<b>AIM:</b>	<b>To create a database and populate using SQL commands (With constraints)</b>
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### Program 1

<b>PROBLEM STATEMENT :</b>	<p>To create a database and populate using SQL commands (With constraints)</p> <ul style="list-style-type: none"> <li>• Data Definition Language- Create, Alter, Drop, Rename, Truncate</li> <li>• Data Manipulation Language- Insert, Update, Delete, Select</li> <li>• Constraints-Not Null, Unique Key, Primary Key, Foreign Key, Check, Dropping a Constraint.</li> </ul>
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### RESULT:

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1  -- Create Database --
2  ● CREATE DATABASE Crim Toggle whether execution of SQL script should continue after failed statements
3  ● USE CriminalRecord;
4
5  -- Create Criminal Table --
6  ● CREATE TABLE Criminal (
7      criminal_id INT PRIMARY KEY, name VARCHAR(30), birth_place VARCHAR(20), dob DATE, gender ENUM("Male", "Female"),
8      blood_group ENUM("O+", "A+", "B+", "AB+", "O-", "A-", "B-", "AB-"), national_id BIGINT UNSIGNED, passport_id BIGINT UNSIGNED,
9      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;
16 ● ALTER TABLE Criminal MODIFY COLUMN passport_id BIGINT UNSIGNED UNIQUE;
17
18 -- View Table Schema --
19 ● DESC Criminal;
20

```

## Output

Result Grid		Filter Rows:	Export:	Wrap Cell Content:		
	Field	Type	Null	Key	Default	Extra
▶	criminal_id	int	NO	PRI	<b>NULL</b>	
	name	varchar(30)	YES		<b>NULL</b>	
	birth_place	varchar(20)	YES		<b>NULL</b>	
	dob	date	YES		<b>NULL</b>	
	gender	enum('Male','Female')	YES		<b>NULL</b>	
	blood_group	enum('O+', 'A+', 'B+', 'AB+', 'O-', 'A-', 'B-', 'AB-')	YES		<b>NULL</b>	
	national_id	bigint unsigned	YES	UNI	<b>NULL</b>	
	passport_id	bigint unsigned	YES	UNI	<b>NULL</b>	
	threat_level	enum('Low', 'High', 'Severe')	YES		<b>NULL</b>	
	previous_occupation_name	varchar(20)	YES		<b>NULL</b>	
	previous_occupation_income	int unsigned	YES		<b>NULL</b>	
	current_occupation_name	varchar(20)	YES		<b>NULL</b>	
	current_occupation_income	int unsigned	YES		<b>NULL</b>	

## Inserting Values

```

21 -- Insert Data --
22 INSERT INTO Criminal values
23 (1000, "Ravi Kumar", "Mumbai", "1985-07-12", "Male", "A+", 123456789, 231283456, "High", "Construction Worker", 35000, "Security Guard", 40000),
24 (1001, "Priya Sharma", "Delhi", "1990-04-25", "Female", "B-", 987654321, 424987654, "Severe", "Sales Representative", 45000, "Data Analyst", 55000),
25 (1002, "Rajesh Singh", "Lucknow", "1980-12-08", "Male", "O+", 456789123, 676456789, "Low", "Teacher", 50000, "Nurse", 60000),
26 (1003, "Anjali Gupta", "Kolkata", "1995-09-17", "Female", "A-", 654321789, 975654321, "High", "Software Engineer", 75000, "Doctor", 100000),
27 (1004, "Mohan Sharma", "Chennai", "1988-03-04", "Male", "AB+", 789123456, 275789123, "Severe", "Chef", 40000, "Lawyer", 80000),
28 (1005, "Sunita Reddy", "Hyderabad", "1992-11-21", "Female", "O-", 234567890, 274234567, "Low", "Retail Salesperson", 30000, "Graphic Designer", 45000),
29 (1006, "Rohit Patel", "Ahmedabad", "1983-06-30", "Male", "B+", 345678901, 115345678, "High", "Engineer", 70000, "Pilot", 110000),
30 (1007, "Nisha Gupta", "Jaipur", "1993-08-14", "Female", "AB-", 567890123, 041567890, "Severe", "Accountant", 55000, "Pharmacist", 90000),
31 (1008, "Sanjay Yadav", "Patna", "1987-02-19", "Male", "A+", 890123456, 406890123, "Low", "Electrician", 42000, "Plumber", 48000),
32 (1009, "Aishwarya Gupta", "Bangalore", "1998-05-03", "Female", "O+", 123890456, 288678901, "Severe", "Marketing Manager", 60000, "Sales Manager", 70000);
33
34 -- View Table Data --
35 SELECT * FROM Criminal;
36

```

## Output



[illegible]

```



36
37 • CREATE TABLE Physical_Appearance(id INT NOT NULL, height varchar(3), weight varchar(3),
38   eye_color varchar(10), hair_color varchar(10), FOREIGN KEY (id) REFERENCES Criminal(criminal_id)
39   );
40
41 • DESC Physical_Appearance;
42
43 • INSERT INTO Physical_Appearance values
44   (1000, "178", "70", "Blue", "Black"),
45   (1001, "168", "60", "Black", "Red"),
46   (1002, "173", "75", "Hazel", "Brown"),
47   (1003, "170", "58", "Brown", "Black"),
48   (1004, "183", "80", "Black", "Grey"),
49   (1005, "165", "55", "Brown", "Brown"),
50   (1006, "188", "90", "Brown", "Black"),
51   (1007, "168", "65", "Hazel", "Brown"),
52   (1008, "175", "70", "Brown", "Black"),
53   (1009, "173", "60", "Brown", "Black");
54
55 • SELECT * FROM Physical_Appearance;
56

```

## Output

Result Grid						
Filter Rows:		Export:  Wrap Cell Content: 				
	Field	Type	Null	Key	Default	Extra
▶	id	int	NO	MUL	NULL	
	height	varchar(3)	YES		NULL	
	weight	varchar(3)	YES		NULL	
	eye_color	varchar(10)	YES		NULL	
	hair_color	varchar(10)	YES		NULL	

Result Grid					
Filter Rows:		Export:  Wrap Cell Content: 			
	id	height	weight	eye_color	hair_color
▶	1000	178	70	Blue	Black
	1001	168	60	Black	Red
	1002	173	75	Hazel	Brown
	1003	170	58	Brown	Black
	1004	183	80	Black	Grey
	1005	165	55	Brown	Brown
	1006	188	90	Brown	Black
	1007	168	65	Hazel	Brown
	1008	175	70	Brown	Black
	1009	173	60	Brown	Black