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Project Title : crime management system

Product name : crms

police\_id , name, rank, station, contact\_number, email

Relation : Police

Domain :

Attribute –

Constrain : composite key,primary key, foreign key,check constrain

Tuple :

Normalization : integrity, redundancy

1nf

2nf

3nf

4nf

5nf

police\_id (master table), name, rank, station, contact\_number, email

1nf – police\_id,(each police can have separate id)

2nf – no partial dependency

3nf – no transitive partial dependency

student info-student\_id,name,job\_id,job name,native place\_id,native place

1nf- student can be primery key hence 1nf

2nf

Student roll table:

student\_id,job\_id

student table:

student\_id,student name,native\_id,native place

job table:

job\_id,job name

3nf

Student roll table:

Student\_id,student name,native\_idy

Job table:

Job\_id,job name

Native table:

Native\_id,native name

Create:

CREATE TABLE police (

police\_id INT PRIMARY KEY,

name VARCHAR(100),

rank VARCHAR(50),

station VARCHAR(100),

contact\_number VARCHAR(15),

email VARCHAR(100)

);

Insert:

INSERT INTO police (police\_id, name, rank, station, contact\_number, email) VALUES

(1, 'Raj Kumar', 'Inspector', 'Chennai Central', '9876543210', 'rajkumar@police.in'),

(2, 'Anita Sharma', 'Sub-Inspector', 'Madurai South', '8765432109', 'anita@police.in'),

(3, 'Vikram Singh', 'Constable', 'Coimbatore East', '7654321098', 'vikram@police.in');

Delete:

DELETE FROM police WHERE police\_id = 2;

Join

SELECT

criminals.criminal\_id,

criminals.name AS criminal\_name,

criminals.address,

police.name AS police\_name,

police.rank,

police.station

FROM

criminals

JOIN

police ON criminals.police\_id = police.police\_id;

DTD

c data – character data

pc data – parsed character data

DTD:

<!element login empty>  
<!ATTLIST login timeout cdata “0”>

Xml:

<login timeout =”10”>

Front end- html,css,react js,tailwind css,android,flutter,flask

Back end- my sql,oracle,json,sql lite,firebase,mongo db

Language- python,php

Framework- xampp

Module name,sub module name,description

|  |  |  |
| --- | --- | --- |
| Modeule name | Sub module name | description |
| User Management | |  | | --- | |  |  |  |  | | --- | --- | |  | | |  |  |  | | --- | | Admin Login, |   Police Registration,   |  | | --- | | Access Control |   ion,logout | |  | | --- | | Login system for administrators to access and manage the system. |  |  |  |  |  | | --- | --- | --- | --- | |  |  | Add and manage police officer profiles.   |  | | --- | | Restricts module access based on user role (Admin/Police). | | |