

STATE/CITY WISE CYBER CRIME MOTIVES

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ABSTRACT

The case study focuses on designing database that stores information regarding cybercrimes in metropolitan cities. Cybercrime refers to illegal activities conducted in cyber space, targeting computer systems, networks and individuals for financial gain or disruption. These activities include ransomware attacks, identity theft hacking etc. Cybercrimes are considered a major risk because they have devastating effects like financial loses, breaches of sensitive data and also it can affect the victim's reputation and life.

Cybercrime is a growing problem in metropolitan cities/states. This case study examines the motives of cyber criminals in the cities/states. The study found that the most common motives for cybercrimes are revenge, sexual exploitation, political reasons and toxic ideologies. Cyber criminals are increasingly using complex techniques to steal data commit fraud and disrupt operations. The schema in the DBMS includes relations which accommodate information about cities/states, victims, cybercriminals, statistics of the crime rate and the motives behind them etc. The functionalities of this software allow user to retrieve, store, update, insert and delete data in a secured manner.

To conclude, the utilization of a DBMS for this case study enables efficient data management and the exploration, facilitating a deeper understanding of the motives behind cybercriminal activities in a specified metropolitan context. The result of this study can aid law enforcement agencies, policy makers and cyber security professionals in devising targeted strategies to mitigate cyber threads and enhance the digital resilience of urban environment.

FUNCTIONALITIES:

1. User Registration and Authentication:

- i) Allow users to create accounts and log in securely.
- ii) Implement role-based access control(P,O), with appropriate permissions

2. Data collection and storage:

- i) The database accumulates and stores various types of cybercrime data, including Incident reports, attacks patterns, malware signatures, and other relevant information.

3. Search and Retrieval:

- i) Provide a search feature to find statistics, details of the case based on various c keywords.
- ii) Implement advanced search options such as filtering by year or city.

4. User Profiles:

i) Enable users to update their profiles and change passwords.

5. Victim information:

i) Maintains details about affected victims or organizations, their vulnerabilities and the impact of cyber incidents on them.

6. Malware analysis and signature:

i) Includes information on different malware strains, their behaviour, characteristics, and known signatures to aid in identification and defense.

7. Backup and Restore:

i) Regularly backup the database and provide a restore option in case of data loss.

8. Security:

i) Implement security measures like encryption, SQL injection prevention, and user access control.

MODULES:

1. User Authentication and Authorization module:

i) User registration and login system.

ii) Different user roles (P,O) with varying access levels.

2. Data collection and storage module :

i) Stores data .

ii) Includes incident report ,attack patterns ,malware signatures and other information .

3. Search module :

i) Search options with the help of keywords and filtering options.

4. Victim module :

i) Victim details .

ii) Their impacts on cybercrime .

5. Malware analysis module :

i) Store information of malware strains

ii) Helps in identifying known crime signatures for identification and defense.

6.Backup module :

i) Back up and provide restoration.

7.Security module :

- i) Provides user control
- ii) Ensures the integrity of data.

ENTITY RELATIONSHIP DIAGRAM:

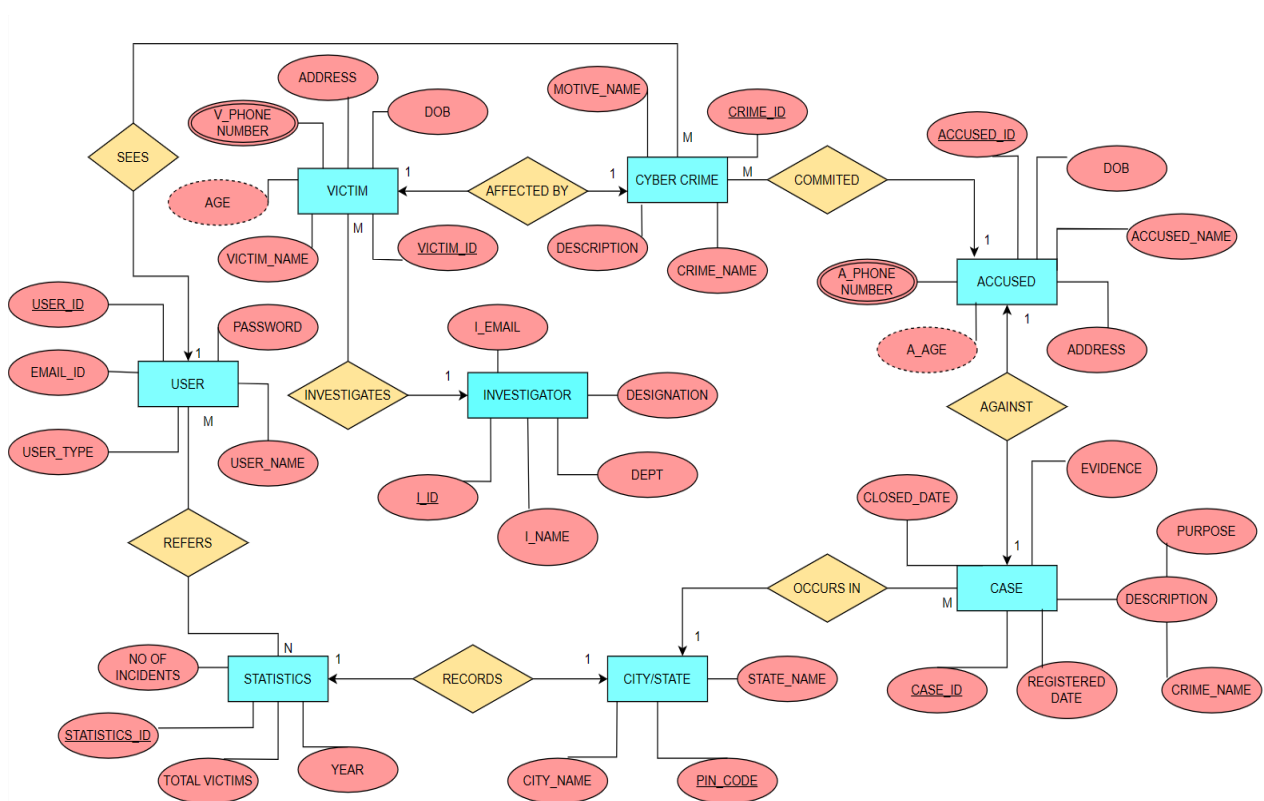
ENTITIES:

- 1.User
- 2.Victim
- 3.Accused
- 4.City
- 5.Statistics
- 6.Case
- 7.Cybercrime
- 8.Investigator

CARDINALITY:

- 1.Many to Many (User to Statistics)
- 2.One to One (Statistics to City)
- 3.One to Many (City/State to Case)
- 4.One to One (Case to Accused)
- 5.One to Many (Accused to cybercrime)
- 6.One to One (Cybercrime to Victim)
- 7.Many to One (Victim to Investigator)
- 8.One to Many (User to Cybercrime)

ER DIAGRAM:



ER to Schema:

USER (user_id, email_id, user_type, user_name, password)

STATISTICS (Statistics_id, year, no_of_incidents, time_period, total_victims, pin_code)

REFERS (user_id, statistics_id)

CITY (pin_code, state_name, city_name)

CASE (case_id, registered_date, crime_name, purpose, evidence, closed_date, pin_code)

ACCUSED (accused_id, dob, accused_name, address, case_id)

A_PHONENUMBER (accused_id, a_phonenumber)

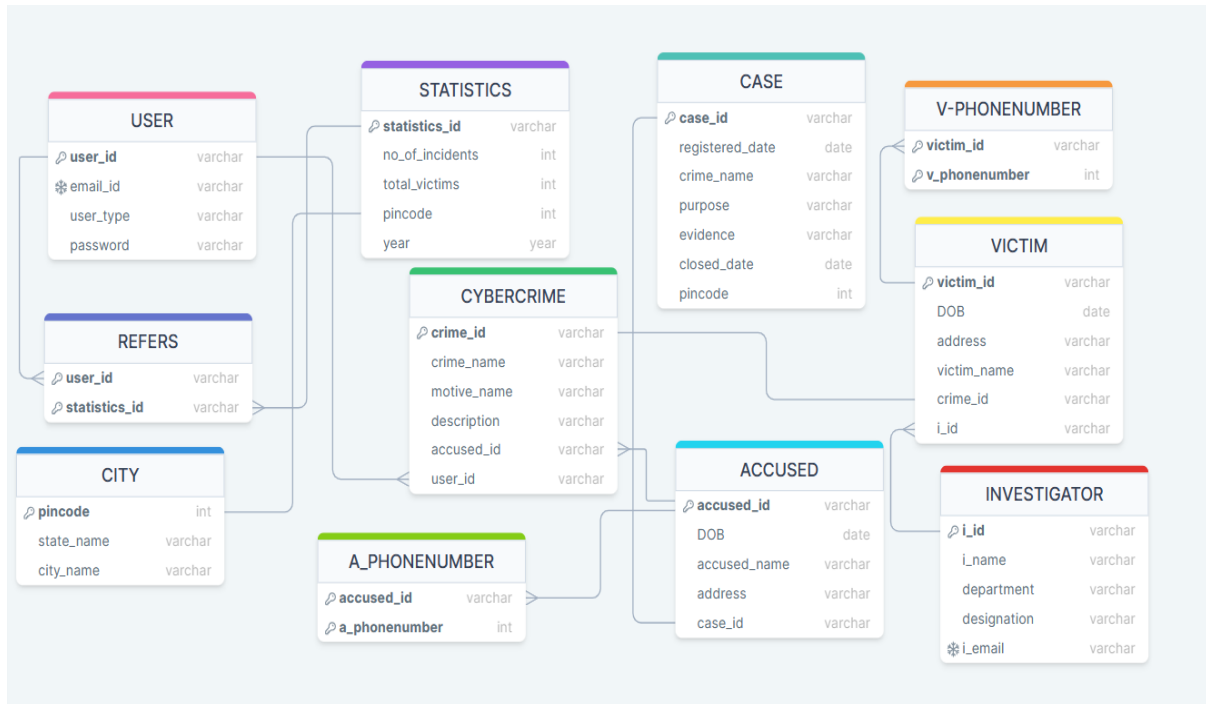
CYBERCRIME (crime_id, crime_name, motive_name, description, accused_id, user_id)

VICTIM (victim_id, dob, address, victim_name, crime_id, i_id)

V_PHONENUMBER (victim_id, v_phonenumber)

INVESTIGATOR (i_id, i_name, dept, designation, i_email)

Schema Diagram:



Creation of Tables and Queries:

USER (user id, email id, user type, user name, password)

```
mysql> create table USER(user_id varchar(20) primary key,email_
id varchar(20) unique,user_type varchar(20) not null,user_name v
archar(20) not null,password varchar(20) not null);
Query OK, 0 rows affected (0.06 sec)
```

```
mysql> describe USER;
```

Field	Type	Null	Key	Default	Extra
user_id	varchar(20)	NO	PRI	NULL	
email_id	varchar(20)	YES	UNI	NULL	
user_type	varchar(20)	NO		NULL	
user_name	varchar(20)	NO		NULL	
password	varchar(20)	NO		NULL	

5 rows in set (0.00 sec)

```
mysql> insert into USER values("U001","Dev","dev@gmail.com","0",
"dev01");
Query OK, 1 row affected (0.04 sec)

mysql> insert into USER values("U002","Ram","ram@gmail.com","P",
"ram02");
Query OK, 1 row affected (0.01 sec)

mysql> insert into USER values("U003","Ravi","ravi@gmail.com","0",
"ravi03");
Query OK, 1 row affected (0.04 sec)

mysql> insert into USER values("U004","Krishna","krishna@gmail.c
om","P","krish04");
Query OK, 1 row affected (0.04 sec)
```

```
mysql> select * from USER;
+-----+-----+-----+-----+-----+
| user_id | email_id | user_type | user_name | password |
+-----+-----+-----+-----+-----+
| U001    | Dev      | dev@gmail.com | 0         | dev01    |
| U002    | Ram      | ram@gmail.com  | P         | ram02    |
| U003    | Ravi     | ravi@gmail.com | 0         | ravi03   |
| U004    | Krishna  | krishna@gmail.com | P         | krish04  |
+-----+-----+-----+-----+-----+
4 rows in set (0.00 sec)
```

STATISTICS (s_id,year,no_of_incidents, total_victims, pincode)

```
mysql> create table STATISTICS(s_id varchar(20) primary key,year
integer,no_of_incidents integer, total_victims integer,pincode
integer, foreign key(pincode) references CITY(pincode));
Query OK, 0 rows affected (0.07 sec)
```

```
mysql> describe STATISTICS;
```

Field	Type	Null	Key	Default	Extra
s_id	varchar(20)	NO	PRI	NULL	
year	int	YES		NULL	
no_of_incidents	int	YES		NULL	
total_victims	int	YES		NULL	
pincode	int	YES	MUL	NULL	

5 rows in set (0.00 sec)

```
mysql> insert into STATISTICS values('S01',2016,6,3,800008);
Query OK, 1 row affected (0.04 sec)
```

```
mysql> insert into STATISTICS values('S02',2010,10,6,123401);
Query OK, 1 row affected (0.04 sec)
```

```
mysql> insert into STATISTICS values('S03',2000,14,9,226001);
Query OK, 1 row affected (0.04 sec)
```

```
mysql> insert into STATISTICS values('S04',2019,9,4,143104);
Query OK, 1 row affected (0.01 sec)
```

```
mysql> select * from STATISTICS;
```

s_id	year	no_of_incidents	total_victims	pincode
S01	2016	6	3	800008
S02	2010	10	6	123401
S03	2000	14	9	226001
S04	2019	9	4	143104

4 rows in set (0.00 sec)

REFERS (user_id, s_id)


```
mysql> create table REFERS(user_id varchar(20),s_id varchar(20),
foreign key(user_id)references USER(user_id),foreign key(s_id)re
ferences STATISTICS(s_id),primary key(user_id,s_id));
Query OK, 0 rows affected (0.03 sec)
```

```
mysql> describe REFERS;
```

Field	Type	Null	Key	Default	Extra
user_id	varchar(20)	NO	PRI	NULL	
s_id	varchar(20)	NO	PRI	NULL	

```
2 rows in set (0.00 sec)
```

```
mysql> insert into REFERS values("U001","S01");
Query OK, 1 row affected (0.02 sec)
```

```
mysql> insert into REFERS values("U001","S01");
ERROR 1062 (23000): Duplicate entry 'U001-S01' for key 'refs.P
RIMARY'
```

```
mysql> insert into REFERS values("U001","S02");
Query OK, 1 row affected (0.00 sec)
```

```
mysql> insert into REFERS values("U002","S01");
Query OK, 1 row affected (0.01 sec)
```

```
mysql> insert into REFERS values("U003","S01");
Query OK, 1 row affected (0.01 sec)
```

```
mysql> insert into REFERS values("U004","S03");
Query OK, 1 row affected (0.01 sec)
```

```
mysql> insert into REFERS values("U003","S03");
Query OK, 1 row affected (0.01 sec)
```

```
mysql> insert into REFERS values("U003","S04");
Query OK, 1 row affected (0.01 sec)
```

```
mysql> select * from REFERS;
+-----+-----+
| user_id | s_id |
+-----+-----+
| U001    | S01  |
| U002    | S01  |
| U003    | S01  |
| U001    | S02  |
| U003    | S03  |
| U004    | S03  |
| U003    | S04  |
+-----+-----+
7 rows in set (0.00 sec)
```

CITY (pin_code, state_name, city_name)

```
mysql> create table CITY(pincode integer primary key, state_name
varchar(100) not null, city_name varchar(100) not null);
Query OK, 0 rows affected (0.06 sec)

mysql> describe CITY;
+-----+-----+-----+-----+-----+-----+
| Field      | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| pincode    | int           | NO   | PRI | NULL    |       |
| state_name | varchar(100)  | NO   |     | NULL    |       |
| city_name  | varchar(100)  | NO   |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)
```

```
mysql> insert into CITY values(800008,'Bihar','Patna');
Query OK, 1 row affected (0.04 sec)

mysql> insert into CITY values(123401,'Haryana','Gurgaon');
Query OK, 1 row affected (0.04 sec)

mysql> insert into CITY values(226001,'Uttar Pradesh','Lucknow')
;
Query OK, 1 row affected (0.04 sec)

mysql> insert into CITY values(143104,'Punjab','Amritsar');
Query OK, 1 row affected (0.04 sec)

mysql> select * from CITY;
+-----+-----+-----+
| pincode | state_name | city_name |
+-----+-----+-----+
| 123401 | Haryana | Gurgaon |
| 143104 | Punjab | Amritsar |
| 226001 | Uttar Pradesh | Lucknow |
| 800008 | Bihar | Patna |
+-----+-----+-----+
4 rows in set (0.00 sec)
```

CASE (case_id, registered_date, crime_name, purpose, evidence, closed_date, pincode)

```
mysql> create table CASES(case_id varchar(100) primary key,registered_date
date, crime_name varchar(200),purpose varchar(200), evidence varchar(200),c
losed_date date,pincode integer, foreign key(pincode) references CITY(pinco
de));
Query OK, 0 rows affected (0.07 sec)

mysql> describe CASES;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| case_id | varchar(100) | NO | PRI | NULL | |
| registered_date | date | YES | | NULL | |
| crime_name | varchar(200) | YES | | NULL | |
| purpose | varchar(200) | YES | | NULL | |
| evidence | varchar(200) | YES | | NULL | |
| closed_date | date | YES | | NULL | |
| pincode | int | YES | MUL | NULL | |
+-----+-----+-----+-----+-----+-----+
7 rows in set (0.00 sec)
```

```
mysql> insert into CASES values('CA01','2000-09-02','Debit/Credit card fraud',
'd','financial needs','Money cutdown from the bank','2000-09-12',800008);
Query OK, 1 row affected (0.04 sec)
```

```
mysql> insert into CASES values('CA02','2016-05-28','Online job fraud','fin
ancial benefits','Job postings and correspondance','2016-07-01',123401);
Query OK, 1 row affected (0.04 sec)
```

```
mysql> insert into CASES values('CA03','2019-10-20','Cyber bullying','perso
nal revenge','Tracking IP address','2019-10-25',226001);
Query OK, 1 row affected (0.04 sec)
```

```
mysql> insert into CASES values('CA04','2014-07-30','Sim swap scam','authen
tication to get acces to bank accounts','Location data','2014-08-10',143104
);
Query OK, 1 row affected (0.04 sec)
```

```
mysql> select * from CASES;
```

case_id	registered_date	crime_name	purpose	evidence	closed_date	pincode
CA01	2000-09-02	Debit/Credit card fraud	financial needs	Money cutdown from the bank	2000-09-12	800008
CA02	2016-05-28	Online job fraud	financial benefits	Job postings and correspondance	2016-07-01	123401
CA03	2019-10-20	Cyber bullying	personal revenge	Tracking IP address	2019-10-25	226001
CA04	2014-07-30	Sim swap scam	authentication to get acces to bank accounts	Location data	2014-08-10	143104

```
4 rows in set (0.00 sec)
```

ACCUSED (accused_id, accused_name, address, DOB,case_id)

```
mysql> create table ACCUSED(accused_ID varchar(100) primary key,accused_name varchar(100) not null,address varchar(100),A_phnum bigint,DOB date,case_id varchar(100) , foreign key(case_id) references CASES(case_id));
Query OK, 0 rows affected (0.06 sec)
```

```
mysql> describe ACCUSED;
```

Field	Type	Null	Key	Default	Extra
accused_ID	varchar(100)	NO	PRI	NULL	
accused_name	varchar(100)	NO		NULL	
address	varchar(100)	YES		NULL	
A_phnum	bigint	YES		NULL	
DOB	date	YES		NULL	
case_id	varchar(100)	YES	MUL	NULL	

```
6 rows in set (0.00 sec)
```

```
mysql> insert into ACCUSED values('A01','Mark Abene','Hazratganj,Lucknow', 9274662
894,'1988-05-25','CA03');
Query OK, 1 row affected (0.04 sec)
```

```
mysql> insert into ACCUSED values('A02','Julian Paul',' Ganga Path,Patna', 8974655
442,'1982-02-08','CA01');
Query OK, 1 row affected (0.04 sec)
```

```
mysql> insert into ACCUSED values('A03','David Amato','Heritage street,Amritsar',
7838656783,'1994-10-16','CA04');
Query OK, 1 row affected (0.04 sec)
```

```
mysql> insert into ACCUSED values('A04','Richard Jones','Sandalpur Road,Bihar', 97
76366377,'1999-06-20','CA02');
Query OK, 1 row affected (0.04 sec)
```

```
mysql> select * from ACCUSED;
```

accused_ID	accused_name	address	A_phnum	DOB	case_id
A01	Mark Abene	Hazratganj,Lucknow	9274662894	1988-05-25	CA03
A02	Julian Paul	Ganga Path,Patna	8974655442	1982-02-08	CA01
A03	David Amato	Heritage street,Amritsar	7838656783	1994-10-16	CA04
A04	Richard Jones	Sandalpur Road,Bihar	9776366377	1999-06-20	CA02

4 rows in set (0.00 sec)

```
mysql> alter table ACCUSED
-> drop column A_phnum;
Query OK, 0 rows affected (0.06 sec)
Records: 0 Duplicates: 0 Warnings: 0
```

```
mysql> describe ACCUSED;
```

Field	Type	Null	Key	Default	Extra
accused_ID	varchar(100)	NO	PRI	NULL	
accused_name	varchar(100)	NO		NULL	
address	varchar(100)	YES		NULL	
DOB	date	YES		NULL	
case_id	varchar(100)	YES	MUL	NULL	

5 rows in set (0.00 sec)

```
mysql> select * from ACCUSED;
```

accused_ID	accused_name	address	DOB	case_id
A01	Mark Abene	Hazratganj,Lucknow	1988-05-25	CA03
A02	Julian Paul	Ganga Path,Patna	1982-02-08	CA01
A03	David Amato	Heritage street,Amritsar	1994-10-16	CA04
A04	Richard Jones	Sandalpur Road,Bihar	1999-06-20	CA02

4 rows in set (0.00 sec)

A_PHONENUMBER (accused_id, a_phonenumber)

```
mysql> create table A_PHONENUMBER(accused_ID varchar(20),a_phone
number bigint,foreign key(accused_ID)references ACCUSED(accused_
ID),primary key(accused_ID,a_phonenumber));
Query OK, 0 rows affected (0.06 sec)
```

```
mysql> describe A_PHOONENUMBER;
ERROR 1146 (42S02): Table 'db1.a_phoonenumber' doesn't exist
mysql> describe A_PHONENUMBER;
```

Field	Type	Null	Key	Default	Extra
accused_ID	varchar(20)	NO	PRI	NULL	
a_phonenumber	bigint	NO	PRI	NULL	

2 rows in set (0.00 sec)

```
mysql> insert into A_PHONENUMBER values("A01",7665432165);
Query OK, 1 row affected (0.01 sec)
```

```
mysql> insert into A_PHONENUMBER values("A02",9876643275);
Query OK, 1 row affected (0.01 sec)
```

```
mysql> insert into A_PHONENUMBER("A02",8976098798);
ERROR 1064 (42000): You have an error in your SQL syntax; check
the manual that corresponds to your MySQL server version for the
right syntax to use near '"A02",8976098798)' at line 1
mysql> insert into A_PHONENUMBER values("A02",9076643275);
Query OK, 1 row affected (0.01 sec)
```

```
mysql> SELECT * FROM A_PHONENUMBER;
```

accused_ID	a_phonenumber
A01	7665432165
A02	9076643275
A02	9876643275

3 rows in set (0.00 sec)

CYBERCRIME (crime_id, crime_name, motive_name, description, accused_id, user_id)

```
mysql> create table CYBERCRIME(crime_id varchar(100) primary key,crime_name varchar(100),motive_name
  varchar(100),description varchar(200),accused_ID varchar(100),user_id varchar(100),foreign key(accu
sed_ID) references ACCUSED(accused_ID),foreign key(user_id) references USER(user_id));
Query OK, 0 rows affected (0.07 sec)
```

```
mysql> describe CYBERCRIME;
```

Field	Type	Null	Key	Default	Extra
crime_id	varchar(100)	NO	PRI	NULL	
crime_name	varchar(100)	YES		NULL	
motive_name	varchar(100)	YES		NULL	
description	varchar(200)	YES		NULL	
accused_ID	varchar(100)	YES	MUL	NULL	
user_id	varchar(100)	YES	MUL	NULL	

```
6 rows in set (0.00 sec)
```

```
mysql> insert into CYBERCRIME values('C01','Credit/Debit card fraud','financial needs','unauthorized
  use of anothers credit or debit card information','A01','U001');
Query OK, 1 row affected (0.04 sec)
```

```
mysql> insert into CYBERCRIME values('C02','Online job fraud','financial benefits','defraud people w
  ho are in need of employment','A02','U002');
Query OK, 1 row affected (0.04 sec)
```

```
mysql> insert into CYBERCRIME values('C03','Cyber bullying','persoonal revenge',' A form of harassme
  nt or bullying inflicted through the use of mobile,laptop etc.','A03','U003');
Query OK, 1 row affected (0.04 sec)
```

```
mysql> insert into CYBERCRIME values('C04','SIM swap scam','authentication to get acces to bank acco
  unts','Getting a new SIM card against a registered mobile number fraudulently is known as SIM Swap.'
  ,'A04','U004');
Query OK, 1 row affected (0.00 sec)
```

```
mysql> select * from CYBERCRIME;
```

crime_id	crime_name	motive_name	description	accused_ID	user_id
C01	Credit/Debit card fraud	financial needs	unauthorized use of anothers credit or debit card information	A01	U001
C02	Online job fraud	financial benefits	defraud people who are in need of employment	A02	U002
C03	Cyber bullying	persoonal revenge	A form of harassment or bullying inflicted through the use of mobile,laptop etc.,	A03	U003
C04	SIM swap scam	authentication to get acces to bank accounts	Getting a new SIM card against a registered mobile number fraudulently is known as SIM Swap.	A04	U004

```
4 rows in set (0.00 sec)
```

VICTIM (victim_id, dob, address, victim_name, crime_id, i_id)

```
mysql> create table VICTIM(victim_ID varchar(100) primary key,victim_name v
varchar(100),address varchar(100),DOB date,crime_id varchar(100), i_id varch
ar(100), foreign key(crime_id) references CYBERCRIME(crime_id),foreign key(
I_id) references INVESTIGATOR(I_id));
Query OK, 0 rows affected (0.07 sec)
```

```
mysql> describe VICTIM;
```

Field	Type	Null	Key	Default	Extra
victim_ID	varchar(100)	NO	PRI	NULL	
victim_name	varchar(100)	YES		NULL	
address	varchar(100)	YES		NULL	
DOB	date	YES		NULL	
crime_id	varchar(100)	YES	MUL	NULL	
i_id	varchar(100)	YES	MUL	NULL	

6 rows in set (0.00 sec)

```
mysql> insert into VICTIM values('V01',' Harsh',' KhRoad,Gandhinagar,Gujarat','1994-08-12','C01','I01');
Query OK, 1 row affected (0.04 sec)
```

```
mysql> insert into VICTIM values('V02','Kishore',' Park Street,Kolkata','1992-04-08','C02','I02');
Query OK, 1 row affected (0.04 sec)
```

```
mysql> insert into VICTIM values('V03','Carol','Tilak Marg,Delhi','1996-09-11','C03','I03');
Query OK, 1 row affected (0.04 sec)
```

```
mysql> insert into VICTIM values('V04','Suresh','Hill Road,Mumbai','1990-05-28','C04','I04');
Query OK, 1 row affected (0.04 sec)
```

```
mysql> select * from VICTIM;
```

victim_ID	victim_name	address	DOB	crime_id	i_id
V01	Harsh	KhRoad,Gandhinagar,Gujarat	1994-08-12	C01	I01
V02	Kishore	Park Street,Kolkata	1992-04-08	C02	I02
V03	Carol	Tilak Marg,Delhi	1996-09-11	C03	I03
V04	Suresh	Hill Road,Mumbai	1990-05-28	C04	I04

4 rows in set (0.00 sec)

V_PHONENUMBER (victim_id, v_phonenumber)


```
mysql> create table V_PHONENUMBER(victim_ID varchar(20),v_phonenumber bigint,foreign key(victim_ID)references VICTIM(victim_ID),primary key(victim_ID,v_phonenumber));
Query OK, 0 rows affected (0.06 sec)
```

```
mysql> describe V_PHONENUMBER;
```

Field	Type	Null	Key	Default	Extra
victim_ID	varchar(20)	NO	PRI	NULL	
v_phonenumber	bigint	NO	PRI	NULL	

2 rows in set (0.00 sec)

```
mysql> insert into V_PHONENUMBER values("V01",7345675678);
Query OK, 1 row affected (0.03 sec)
```

```
mysql> insert into V_PHONENUMBER values("V01",7654321234);
Query OK, 1 row affected (0.04 sec)
```

```
mysql> insert into V_PHONENUMBER values("V02",8967453434);
Query OK, 1 row affected (0.00 sec)
```

```
mysql> Select * from V_PHONENUMBER;
```

victim_ID	v_phonenumber
V01	7345675678
V01	7654321234
V02	8967453434

3 rows in set (0.00 sec)

INVESTIGATOR (i_id, i_name, i_email_id, dept, designation)

```
mysql> create table INVESTIGATOR(i_id varchar(20) primary key,i_
name varchar(20) not null,i_email_id varchar(20) unique,dept var
char(20) not null,designation varchar(20) not null);
Query OK, 0 rows affected (0.06 sec)
```

```
mysql> describe INVESTIGATOR;
```

Field	Type	Null	Key	Default	Extra
i_id	varchar(20)	NO	PRI	NULL	
i_name	varchar(20)	NO		NULL	
i_email_id	varchar(20)	YES	UNI	NULL	
dept	varchar(20)	NO		NULL	
designation	varchar(20)	NO		NULL	

```
5 rows in set (0.00 sec)
```

```
mysql> insert into INVESTIGATOR values("I01","Priya","priya@gma
il.com","Forensic.dept","SP(CID)");
Query OK, 1 row affected (0.04 sec)
```

```
mysql> insert into INVESTIGATOR values("I02","Hemanth","hemanth@
gmail.com","Network security","DSP");
Query OK, 1 row affected (0.04 sec)
```

```
mysql> insert into INVESTIGATOR values("I03","Sneha","sneha@gmai
l.com","Cyber intelligence","DGP");
Query OK, 1 row affected (0.00 sec)
```

```
mysql> insert into INVESTIGATOR values("I04","Prem","prem@gmail.
com","Cyber defence","SP");
Query OK, 1 row affected (0.04 sec)
```

```
mysql> select * from INVESTIGATOR;
```

i_id	i_name	i_email_id	dept	designation
I01	Priya	priya@gmail.com	Forensic.dept	SP(CID)
I02	Hemanth	hemanth@gmail.com	Network security	DSP
I03	Sneha	sneha@gmail.com	Cyber intelligence	DGP
I04	Prem	prem@gmail.com	Cyber defence	SP

```
4 rows in set (0.00 sec)
```