**Database Design**

**Place your code here**

We will Create Certain:

* Tables for City jail database.
* Alter Table.
* Add constraints (only allow certain value to be inserted in columns).

The Commands we will be able to use have the following Syntax:

* CREATE TABLE TABLENAME (Columns) ;
* ALTER TABLE TABLENAME (ADD);
* ALTER TABLE TABLENAME (MODIFY);

**Creating Tables For City jail Database**

--CREATE TABLE aliases (

Alias\_ID NUMBER(6),

criminal\_ID NUMBER(6,0),

alias\_col VARCHAR2(10)

);

-- Creating Table Criminal with default value for V\_status and P\_status Columns

CREATE TABLE criminals (

criminal\_ID NUMBER(6,0),

last\_col VARCHAR2(15),

first\_col VARCHAR2(10),

street VARCHAR2(30),

city VARCHAR2(20),

state CHAR(2),

zip CHAR(5),

phone CHAR(10),

v\_status CHAR(1) DEFAULT 'N',

p\_status CHAR(1) DEFAULT 'N'

);

-- Creating Table Crimes (

crime\_ID NUMBER(9,0),

criminal\_ID NUMBER(6,0),

classification CHAR(1),

data\_changed DATE DEFAULT SYSDATE,

status CHAR(2),

Hearing\_date DATE,

Appeal\_cut\_date DATE,

);

--CREATE TABLE sentences (

sentence\_ID NUMBER(6),

criminal\_ID NUMBER(6,0),

type\_col CHAR(1),

prob\_ID NUMBER(5),

start\_date DATE,

end\_date DATE,

violations NUMBER(3)

);

--CREATE TABLE prob\_officers (

prob\_ID NUMBER(5),

last\_col VARCHAR2(15),

first\_col VARCHAR2(10),

street VARCHAR2(30),

city VARCHAR2(20),

state CHAR(2),

zip CHAR(5,0),

phone CHAR(10,0),

email VARCHAR2(30),

status CHAR(1) DEFAULT 'A'

);

--CREATE TABLE crime\_charges (

charge\_ID NUMBER(10,0),

crime\_ID NUMBER(9,0),

crime\_code NUMBER(3,0),

charge\_status CHAR(2),

fine\_amount NUMBER(7,2),

court\_fee NUMBER(7,2),

amount\_paid NUMBER(7,2),

pay\_due\_date DATE

);

--CREATE TABLE crime\_officers (

crime\_ID NUMBER(9,0),

officer\_ID NUMBER(8,0)

);

--CREATE TABLE officers (

officer\_ID NUMBER(8,0),

last\_col VARCHAR2(15),

first\_col VARCHAR2(10),

precinct CHAR(4),

badge VARCHAR2(14),

phone CHAR(10,0),

status CHAR(1) DEFAULT 'A'

);

--CREATE TABLE appeals (

appeal\_ID NUMBER(5),

crime\_ID NUMBER(9,0),

filing\_date DATE,

hearing\_date DATE,

status CHAR(1) DEFAULT 'P'

);

--CREATE TABLE crime\_codes (

crime\_code NUMBER(3,0),

code\_description VARCHAR2(30)

);

/\* Section B \*/

--ALTER TABLE crimes

MODIFY classification DEFAULT 'U';

--ALTER TABLE crimes

ADD(date\_recorded DATE DEFAULT SYSDATE);

--ALTER TABLE prob\_officers

ADD(pager# NUMBER(10));

--ALTER TABLE aliases

MODIFY(alias\_col VARCHAR2(20));