

Nicholas Defranco's City Jail table list with constraints

Table	Column	Data Type	Default value	Constraint	Condition
Criminals	Criminal_ID	NUMBER(6, 0)		Primary key	
	Last	VARCHAR(15)		NOT NULL	
	First	VARCHAR(10)		NOT NULL	
	Street	VARCHAR(30)			
	City	VARCHAR(20)			
	State	CHAR(2)			
	Zip	CHAR(5)			
	Phone	CHAR(10)			
	V_status	CHAR(1)	'N'	CHECK NOT NULL	in ('N', 'Y')
	P_status	CHAR(1)	'N'	CHECK NOT NULL	in ('N', 'Y')
Aliases	Alias_ID	NUMBER(6)		Primary key	
	Criminal_ID	NUMBER(6, 0)		Foreign key – reference Criminals table NOT NULL	
	Alias	VARCHAR(20) (updated from 10 in chap 3B)		NOT NULL	
Crimes	Crime_ID	NUMBER(9, 0)		Primary key	
	Criminal_ID	NUMBER(6, 0)		Foreign key – reference Criminals table NOT NULL	
	Classification	CHAR(1)	'U' (Updated in Chap 3B)	CHECK NOT NULL	in ('F', 'M', 'O', 'U')
	Date_charged	DATE		NOT NULL	
	Status	CHAR(2)		CHECK NOT NULL	in ('CL', 'CA', 'LA')
	Hearing_date	DATE		CHECK NOT NULL	Hearing_date <= Date_charged
	Appeal_cut_date	DATE		Computed column	Hearing_date + 60
	Date_recorded (newer column)	DATE	SYSDATE	NOT NULL	
Sentences	Sentence_ID	NUMBER(6)		Primary key	
	Criminal_ID	NUMBER(6)		Foreign key – reference Criminals table	

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				NOT NULL	
	Type	CHAR(1)		CHECK NOT NULL	in (J, H, P)
	Prob_ID	NUMBER(5)		Foreign key – reference Prob_officers NOT NULL	
	Start_date	DATE	SYSDATE	CHECK NOT NULL	Start_date < End_date
	End_date	DATE		CHECK NOT NULL	End_date < Start_date
	Violations	NUMBER(3)		CHECK NOT NULL	Violations >= 0
Prob_officers	Prob_ID	NUMBER(5)		Primary Key	
	Last	VARCHAR(15)		NOT NULL	
	First	VARCHAR(10)		NOT NULL	
	Street	VARCHAR(30)		NOT NULL	
	City	VARCHAR(20)		NOT NULL	
	State	CHAR(2)		NOT NULL	
	Zip	CHAR(5)		NOT NULL	
	Pager# (newer column)	CHAR(12)		NOT NULL UNIQUE	
	Phone	CHAR(10)		NOT NULL UNIQUE	
	Email	VARCHAR(30)		NOT NULL UNIQUE	
	Status	CHAR(1)		CHECK NOT NULL	IN (A, I)
Crime_charges	Charge_ID	NUMBER(10, 0)		Primary Key	
	Crime_ID	NUMBER(9, 0)		Foreign Key – references crimes NOT NULL	
	Crime_code	NUMBER(3, 0)		Foreign Key – references Appeals NOT NULL	
	Charge_status	CHAR(2)	'PD'	CHECK NOT NULL	IN (PD, GL, HG)
	Fine_amount	NUMBER(7, 2)		CHECK NOT NULL	Fine_amount >= 0

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	Court_fee	NUMBER(7, 2)		CHECK NOT NULL	Court_fee >= 0
	Amount_paid	NUMBER(7, 2)	0	Check NOT NULL	Amount_paid >= 0 AND Amount_paid <= Fine_amount)
	Pay_due_date	DATE		NOT NULL	
Crime_officers	Crime_ID	NUMBER(9, 0)		Foreign Key – references Crimes NOT NULL	
	Officer_ID	NUMBER(8, 0)		Foreign Key – references Officers NOT NULL	
Officers	Officer_ID	NUMBER(8, 0)		Primary Key	
	Last	VARCHAR(15)		NOT NULL	
	First	VARCHAR(10)		NOT NULL	
	Precinct	CHAR(4)		NOT NULL	
	Badge	VARCHAR(14)		NOT NULL Unique	
	Phone	CHAR(10)		NOT NULL Unique	
	Status	CHAR(1)	'A'	CHECK NOT NULL	in (A, I)
Appeals	Appeal_ID	NUMBER(5)		Primary Key	
	Crime_ID	NUMBER(9, 0)		Foreign Key – references Crimes NOT NULL	
	Filing_date	DATE		CHECK (not implemented in code) NOT NULL	(Not sure how to implement this: “filing date must be after the court hearing date in crimes table”).
	Hearing_date	DATE		CHECK NOT NULL	filing date < hearing date
	Status	CHAR(1)	'P'	CHECK NOT NULL	in (P, A, D)

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Crime_codes	Crime_code	NUMBER(3, 0)		Primary Key	
	Code_description	VARCHAR(30)		NOT NULL	