1NF, 2NF, 3NF Database Schema

DR_NO	Date Rptd	DATE OCC	TIME OCC	AREA	AREA NAME	Rpt Dist No
1NF:	**DR_NO**	**Date Rptd**	**DATE OCC**	**TIME OCC**	**AREA**	**AREA NAME**
	Multivalued Attributes:	Mocodes, Crm Cd (1, 2, 3, 4):				
	Mocode Table: —>	**Crime_MOCodes:**	**DR_NO**	**Mocode**	**Mocode Desc**	**DR_NO —> {Mocode, Mocode Desc}**
	Crm Cd Table: —>	**Crime_Codes:**	**DR_NO**	**Crime_Code_Order**	**Crm Cd**	**Crm Cd Desc**
2NF:	**DR_NO**	**Date Rptd**	**DATE OCC**	**TIME OCC**	**AREA**	**AREA NAME**
1FD —>						
2FD —>						
3FD —>						
4FD —>						
5FD —>						
6FD —>						
7FD —>						
	Partial Dependancies:					
	Date_of_crime:	**DR_NO**	**Date Rptd**	**DATE OCC**	**TIME OCC**	**DR_NO —> {Date Rptd, DATE OCC, TIME OCC}**
	Area_of_crime:	**DR_NO**	**AREA**	**AREA NAME**	**DR_NO —> {AREA, AREA NAME}**	
	Crime_victim:	**DR_NO**	**Vict Age**	**Vict Sex**	**Vict Descent**	**DR_NO —> {Vict Age, Vict Sex, Vict Descent}**
	Crime_premises:	**DR_NO**	**Premis Cd**	**Premis Desc**	**DR_NO —> {Premisis Cd, Premisis Desc}**	
	Crime_weapons:	**DR_NO**	**Weapon Used Cd**	**Weapon Desc**	**DR_NO —> {Weapn Used Cd, Weapon Desc}**	
	Crime_statuses:	**DR_NO**	**Status**	**Status Desc**	**DR_NO —> {Status, Status Desc}**	
	Crime_location:	**DR_NO**	**LOCATION**	**Cross Street**	**LAT**	**LON**

DR_NO	Date Rptd	DATE OCC	TIME OCC	AREA	AREA NAME	Rpt Dist No
	Crime_classification:	DR_NO	Part 1-2	DR_NO —> {Part 1-2}		
3NF:	DR_NO	Date_of_crime:	Area_of_crime:	Rpt Dist No	Crime_victim:	Crime_premises:
FD1						
	Transitive Dependancies:					
	Reporting_districts:	AREA	Rpt Dist No	AREA —> {Rpt Dist No}		
Result:						
	Crime_MOCodes:	DR_NO	Mocode	Mocode Desc	DR_NO —> {Mocode, Mocode Desc}	
	Crime_Codes:	DR_NO	Crime_Code_Order	Crm Cd	Crm Cd Desc	DR_NO —> {Crime_Code_Order, Crm Cd, Crm Cd Desc}
	Date_of_crime:	DR_NO	Date Rptd	DATE OCC	TIME OCC	DR_NO —> {Date Rptd, DATE OCC, TIME OCC}
	Area_of_crime:	DR_NO	AREA	AREA NAME	DR_NO —> {AREA, AREA NAME}	
	Crime_victim:	DR_NO	Vict Age	Vict Sex	Vict Descent	DR_NO —> {Vict Age, Vict Sex, Vict Descent}
	Crime_premises:	DR_NO	Premis Cd	Premis Desc	DR_NO —> {Premisis Cd, Premisis Desc}	
	Crime_weapons:	DR_NO	Weapon Used Cd	Weapon Desc	DR_NO —> {Weapn Used Cd, Weapon Desc}	
	Crime_statuses:	DR_NO	Status	Status Desc	DR_NO —> {Status, Status Desc}	
	Crime_location:	DR_NO	LOCATION	Cross Street	LAT	LON
	Crime_classification:	DR_NO	Part 1-2	DR_NO —> {Part 1-2}		
	Reporting_districts:	AREA	Rpt Dist No	AREA —> {Rpt Dist No}		

DR_NO	Part 1-2	Crm Cd	Crm Cd Desc	Mocodes	Vict Age	Vict Sex
1NF:	Rpt Dist No	Part 1-2	Crm Cd	Crm Cd Desc	Mocodes	Vict Age
	DR_NO —> {Crime_Code_Order, Crm Cd, Crm Cd Desc}					
2NF:	Rpt Dist No	Part 1-2	Vict Age	Vict Sex	Vict Descent	Premis Cd
1FD —>						
2FD —>						
3FD —>						
4FD —>						
5FD —>						
6FD —>						
7FD —>						
	DR_NO —> {LOCATION, Cross Street, LAT, LON}					

DR_NO	Part 1-2	Crm Cd	Crm Cd Desc	Mocodes	Vict Age	Vict Sex
3NF: ↑	Crime_weapons: ↑	Crime_statuses: ↑	Crime_location:	Crime_classification:		
FD1						
Result:						
	DR_NO —> {LOCATION, Cross Street, LAT, LON}					

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DR_NO	Vict Descent	Premis Cd	Premis Desc	Weapon Used Cd	Weapon Desc	Status
1NF:	Vict Sex	Vict Descent	Premis Cd	Premis Desc	Weapon Used Cd	Weapon Desc
2NF:	Premis Desc	Weapon Used Cd	Weapon Desc	Status	Status Desc	LOCATION
1FD —>						
2FD —>						
3FD —>						
4FD —>						
5FD —>						
6FD —>						
7FD —>						

DR_NO	Vict Descent	Premis Cd	Premis Desc	Weapon Used Cd	Weapon Desc	Status
			6			
3NF:						
FD1						
Result:						

DR_NO	Status Desc	Crm Cd 1	Crm Cd 2	Crm Cd 3	Crm Cd 4	LOCATION
1NF:	**Status**	**Status Desc**	**Crm Cd 1**	**Crm Cd 2**	**Crm Cd 3**	**Crm Cd 4**
2NF:	**Cross Street**	**LAT**	**LON**			
1FD —>						
2FD —>						
3FD —>						
4FD —>						
5FD —>						
6FD —>						
7FD —>						

DR_NO	Status Desc	Crm Cd 1	Crm Cd 2	Crm Cd 3	Crm Cd 4	LOCATION
				8		
3NF:						
FD1						
Result:						

DR_NO	Cross Street	LAT	LON	
1NF:	**LOCATION**	**Cross Street**	**LAT**	**LON**
2NF:				
1FD —>				
2FD —>				
3FD —>				
4FD —>				
5FD —>				
6FD —>				
7FD —>				

DR_NO	Cross Street	LAT	LON	
			10	
3NF:				
FD1				
Result:				