New Orleans Crime Database (January to April 2021)

Data Warehouse Project

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MDS 523 Data Warehousing

TABLE OF CONTENTS

Section 1 Requirements 3

Business Description 3

Business Requirements 3

Subsection 1.1.a 4

Subsection 1.1.b 4

Subsection 1.1.c 4

Subsection 1.1.D 4

Conceptual Data model 5

Database requirements 6

Section 2 Data Models 7

Logical Data model 7

Data Model Balancing 7

Section 3 Physical Database 8

Section 4 Data Warehouse Design and coding 15

Data marts 16

Data Warehouse creation - Code 16

Data Warehouse Queries - Code 17

Section 5 Datsabase Queries 23

**Section 1 Requirements**

**Business Description**

Crime has increased in New Orleans. While the onset of the pandemic and subsequent lockdowns can be cited for a reduction in crime for much of 2020, the easing of those restrictions is being met by this new surge. Put into a quantitative perspective, as of late April, for example, the city has experienced a 51% increase in shootings since this time last year, and aggravated assaults with deadly weapons are also up by as much as 45% over 2020. As the world returns to its travel and entertainment destinations, and as life beyond social distancing resumes, it is vital that the city acts in a manner to reduce this problem, by incorporating more of the technological tools at its disposal.

Data analysis could offer the **City of New Orleans** a way to better understand criminal behavior across the municipality, while allowing law enforcement to become more proactive in its mitigation. Using data compiled on the New Orleans City Council’s crime dashboard, models can be constructed to help forecast crime-based patterns found over time. The new data warehouse will store murder statistics from January 1, 2021 to April 26, 2021. The data sets studied from each crime are based on the following factors: date and time (along with the day of the week) of the crime; location (specifically, neighborhood and street); and demographic information of the victim (i.e., race and gender). By creating more comprehensive models, officials can determine with higher probability where and when violent cares are likely to take place next.

The purpose of using such a database is to give city leaders and law enforcement an advantage in tackling one of the city’s most consequential problems. Modeling criminal behavior will allow law enforcement to be more proactive in at-risk communities, as well as to allocate resources to those communities before incidents occur. Furthermore, city leaders can use this data to better advise and direct tourism, plan for its notable festivals and events, work to ensure public safety, and better understand more near- and longer-term residential inflows and outflows to specific neighborhoods in the city.

**Business Requirements**

Technical

1. All databases will be written in script in PostgreSQL.
2. All databases will be stored in an Amazon Redshift data warehouse.

Operational

1. The data warehouse shall be accessed only by assigned employees of the City of New Orleans.
2. The functioning of the data warehouse is solely the responsibility of the City of New Orleans, not Amazon Web Services (AWS).
3. The system will be protected by a four-level security system that will be implemented as follows:

1.1.A Tier I: Administrator

1. The administrator will supervise and control the activity of all users and have access to all updates and modifications to each database.
2. The administrator will manage all technical difficulties and all concerns involving AWS.
3. The administrator will manage all changes to the data warehouse’s platforms, etc.

1.1B Tier II: Moderator

1. The moderator will be assigned by the administrator.
2. The moderator will be able to change specific categories of the database.
3. The moderator will be tasked with removing users.

1.1.C Tier III: Registered User

1. The registered user is any employee of the City of New Orleans who has been given access to and has created an account to use the data warehouse.
2. The registered user will have access to a customizable page detailing their profile information.

1.1.D Tier IV: User

1. The user is any person who has limited or temporary access to the data warehouse.
2. Users may include, but are not limited to, designated officials of the New Orleans Convention and Visitors Bureau and media outlets.

**Conceptual Data Model**

**Diagram

Description automatically generated**

**Database Requirements**

|  |  |
| --- | --- |
| Each victim will be identified by a number. | integer |
| Each victim will have only one race. | varchar |
| Each victim will have only one sex. | varchar |
| Each murder will be classified as only one type of homicide. | varchar |
| Each murder will have occurred at one address. | varchar |
| Each address is in only one neighborhood. | varchar |
| Each murder will have occurred on one calendar date. | varchar |
| Each calendar date will correspond with only one day of the week. | varchar |
| Each day of the week will note the time the murder was reported. | integer |

**Section 2 Data Models**

**Logical Data Model**

**A picture containing text, screenshot, receipt

Description automatically generated**

**Section 3 Physical Database**

**Tables**

Victims

|  |  |  |
| --- | --- | --- |
| Victim ID | Race | Sex |
| 1 | Black | Male |
| 2 | Black | Female |
| 3 | White | Male |
| 4 | Black | Male |
| 5 | Black | Female |
| 6 | White | Male |
| 7 | Black | Female |
| 8 | Black | Male |
| 9 | White | Male |
| 10 | Black | Male |
| 11 | White | Male |
| 12 | Black | Female |
| 13 | Black | Male |
| 14 | Black | Female |
| 15 | White | Male |
| 16 | Black | Male |
| 17 | Black | Female |
| 18 | Black | Male |
| 19 | White | Male |
| 20 | White | Male |
| 21 | Black | Male |
| 22 | Black | Female |
| 23 | White | Male |
| 24 | Asian | Male |
| 25 | White | Male |
| 26 | Black | Female |
| 27 | White | Male |
| 28 | Asian | Male |
| 29 | Black | Male |
| 30 | Black | Female |
| 31 | White | Male |
| 32 | Black | Male |
| 33 | White | Male |
| 34 | White | Male |
| 35 | Black | Female |
| 36 | Black | Male |
| 37 | White | Male |
| 38 | Black | Female |
| 39 | White | Male |
| 40 | Black | Male |
| 41 | Black | Female |
| 42 | Black | Male |
| 43 | Black | Female |
| 44 | White | Male |
| 45 | Black | Male |
| 46 | Black | Female |
| 47 | White | Male |
| 48 | White | Male |
| 49 | Black | Male |
| 50 | Black | Male |
| 51 | White | Female |
| 52 | Black | Male |
| 53 | White | Male |
| 54 | Black | Male |
| 55 | White | Female |
| 56 | Black | Male |
| 57 | White | Male |
| 58 | Other | Male |
| 59 | Black | Male |
| 60 | White | Female |

Neighborhood

|  |  |  |
| --- | --- | --- |
| Victim ID | Address | Neighborhood |
| 1 | 072XX Morrison Rd | NO East |
| 2 | 031XX N Claiborne Ave | CBD |
| 3 | 003XX N Villere St | CBD |
| 4 | 027XX Marigny St | Marigny |
| 5 | Downman Rd & Odin St | NO East |
| 6 | 030XX Blk Bienville St | CBD |
| 7 | 016XX France St | Lakeshore |
| 8 | 034XX Kabel Dr | NO East |
| 9 | 022XX N Galvez St | CBD |
| 10 | 070XX Lawrence Rd | Lakeshore |
| 11 | 020XX Canal St | French Quarter |
| 12 | 051XX Saint Claude Ave | CBD |
| 13 | 123XX N I-10 Service Rd | NO East |
| 14 | 021XX Springbrook Ln | NO East |
| 15 | 078XX Shubert St | NO East |
| 16 | 011XX Marigny St | Treme |
| 17 | 123XX S I-10 Service Rd | NO East |
| 18 | 038XX 4th St | Garden District |
| 19 | 021XX Blk Washington Ave | Uptown |
| 20 | 012XX Desire St | Gentilly |
| 21 | 037XX S Claiborne Ave | CBD |
| 22 | 031XX Carondelet St | CBD |
| 23 | 021XX Deslonde St | NO East |
| 24 | 030XX Higgins Blvd | NO East |
| 25 | 030XX Higgins Blvd | NO East |
| 26 | Leonidas St & Forshey St | Uptown |
| 27 | S I-10 Service Rd & Mayo Blvd | NO East |
| 28 | 031XX 2nd St | Uptown |
| 29 | 059XX Read Blvd | NO East |
| 30 | 015XX Saint Bernard Ave | CBD |
| 31 | 022XX N Claiborne Ave | CBD |
| 32 | 046XX Washington Ave | Uptown |
| 33 | 021XX Blk Allen St | NO East |
| 34 | 018XX Blk Lakeshore Dr | Lakefront |
| 35 | Delery St & Chartres St | CBD |
| 36 | Banks St & S Carrollton Ave | CBD |
| 37 | 054XX Blk N Rampart St | NO East |
| 38 | I-10 E & Read Blvd | NO East |
| 39 | 037XX Blair St | Algiers |
| 40 | 061XX Tullis Dr | Algiers |
| 41 | Annette St & N Miro St | Gentilly |
| 42 | 059XX Boeing St | Gentilly |
| 43 | 059XX Dwyer Rd | NO East |
| 44 | 053XX Blk Lafaye St | Lakefront |
| 45 | Us 90B E & Tchoupitoulas Exit | CBD |
| 46 | 123XX N I-10 Service Rd | NO East |
| 47 | 040XX N Galvez St | CBD |
| 48 | Orleans Ave & N Dorgenois St | Uptown |
| 49 | 022XX Blk N Johnson St | Uptown |
| 50 | 006XX Blk Foch Rd | Lakefront |
| 51 | 056XX Read Blvd | NO East |
| 52 | 123XX N I-10 Service Rd | NO East |
| 53 | 011XX Verret St | Algiers |
| 54 | Nunez St & Diana St | Algiers |
| 55 | Saint Bernard Ave & N Claiborne Ave | CBD |
| 56 | 055XX Mckenna St | NO East |
| 57 | 005XX Blk Wisner Blvd | NO East |
| 58 | 022XX Bartholomew St | Uptown |
| 59 | 078XX Sand St | NO East |
| 60 | 075XX Morel St | NO East |

Type of Murder

|  |  |
| --- | --- |
| Victim ID | Type of Murder |
| 1 | HOMICIDE BY SHOOTING |
| 2 | HOMICIDE DOMESTIC |
| 3 | HOMICIDE BY SHOOTING |
| 4 | HOMICIDE BY SHOOTING |
| 5 | HOMICIDE BY SHOOTING |
| 6 | HOMICIDE BY SHOOTING |
| 7 | HOMICIDE BY SHOOTING |
| 8 | HOMICIDE BY SHOOTING |
| 9 | HOMICIDE BY SHOOTING |
| 10 | HOMICIDE BY SHOOTING |
| 11 | HOMICIDE BY SHOOTING |
| 12 | HOMICIDE BY CUTTING |
| 13 | HOMICIDE BY SHOOTING |
| 14 | HOMICIDE BY SHOOTING |
| 15 | HOMICIDE BY SHOOTING |
| 16 | HOMICIDE BY SHOOTING |
| 17 | HOMICIDE |
| 18 | HOMICIDE |
| 19 | HOMICIDE BY SHOOTING |
| 20 | HOMICIDE BY CUTTING |
| 21 | HOMICIDE BY SHOOTING |
| 22 | HOMICIDE BY SHOOTING |
| 23 | HOMICIDE BY SHOOTING |
| 24 | HOMICIDE BY SHOOTING |
| 25 | HOMICIDE BY SHOOTING |
| 26 | HOMICIDE BY SHOOTING |
| 27 | HOMICIDE BY SHOOTING |
| 28 | HOMICIDE BY SHOOTING |
| 29 | HOMICIDE BY SHOOTING |
| 30 | HOMICIDE BY SHOOTING |
| 31 | HOMICIDE BY SHOOTING |
| 32 | HOMICIDE BY SHOOTING |
| 33 | HOMICIDE BY SHOOTING |
| 34 | HOMICIDE BY SHOOTING |
| 35 | HOMICIDE BY SHOOTING |
| 36 | HOMICIDE BY SHOOTING |
| 37 | HOMICIDE BY SHOOTING |
| 38 | HOMICIDE BY SHOOTING |
| 39 | HOMICIDE BY SHOOTING |
| 40 | HOMICIDE BY SHOOTING |
| 41 | HOMICIDE BY SHOOTING |
| 42 | HOMICIDE BY SHOOTING |
| 43 | HOMICIDE BY SHOOTING |
| 44 | HOMICIDE BY SHOOTING |
| 45 | HOMICIDE BY SHOOTING |
| 46 | HOMICIDE |
| 47 | HOMICIDE BY SHOOTING |
| 48 | HOMICIDE BY SHOOTING |
| 49 | HOMICIDE BY SHOOTING |
| 50 | HOMICIDE BY SHOOTING |
| 51 | HOMICIDE BY SHOOTING |
| 52 | HOMICIDE DOMESTIC |
| 53 | HOMICIDE BY SHOOTING |
| 54 | HOMICIDE BY SHOOTING |
| 55 | HOMICIDE BY SHOOTING |
| 56 | HOMICIDE BY SHOOTING |
| 57 | HOMICIDE BY CUTTING |
| 58 | HOMICIDE BY SHOOTING |
| 59 | HOMICIDE BY SHOOTING |
| 60 | HOMICIDE BY SHOOTING |

Calendar

|  |  |  |  |
| --- | --- | --- | --- |
| Victim ID | Reported | Reported | Day of the Week |
| 1 | January 03, 2021 | January 03, 2021 | Sunday |
| 2 | January 12, 2021 | January 12, 2021 | Tuesday |
| 3 | January 08, 2021 | January 08, 2021 | Friday |
| 4 | January 19, 2021 | January 19, 2021 | Tuesday |
| 5 | January 21, 2021 | January 21, 2021 | Thursday |
| 6 | January 18, 2021 | January 18, 2021 | Monday |
| 7 | January 20, 2021 | January 20, 2021 | Wednesday |
| 8 | January 27, 2021 | January 27, 2021 | Wednesday |
| 9 | January 27, 2021 | January 27, 2021 | Wednesday |
| 10 | January 25, 2021 | January 25, 2021 | Monday |
| 11 | January 26, 2021 | January 26, 2021 | Tuesday |
| 12 | January 31, 2021 | January 31, 2021 | Sunday |
| 13 | January 29, 2021 | January 29, 2021 | Friday |
| 14 | February 08, 2021 | February 08, 2021 | Monday |
| 15 | February 06, 2021 | February 06, 2021 | Saturday |
| 16 | February 06, 2021 | February 06, 2021 | Saturday |
| 17 | February 10, 2021 | February 10, 2021 | Wednesday |
| 18 | February 09, 2021 | February 09, 2021 | Tuesday |
| 19 | February 13, 2021 | February 13, 2021 | Sunday |
| 20 | March 03, 2021 | March 03, 2021 | Wednesday |
| 21 | February 17, 2021 | February 17, 2021 | Wednesday |
| 22 | February 20, 2021 | February 20, 2021 | Saturday |
| 23 | February 23, 2021 | February 23, 2021 | Tuesday |
| 24 | February 26, 2021 | February 26, 2021 | Friday |
| 25 | February 26, 2021 | February 26, 2021 | Friday |
| 26 | March 08, 2021 | March 08, 2021 | Monday |
| 27 | March 01, 2021 | March 01, 2021 | Monday |
| 28 | March 07, 2021 | March 07, 2021 | Sunday |
| 29 | March 14, 2021 | March 14, 2021 | Sunday |
| 30 | March 14, 2021 | March 14, 2021 | Sunday |
| 31 | March 03, 2021 | March 03, 2021 | Wednesday |
| 32 | March 13, 2021 | March 13, 2021 | Saturday |
| 33 | March 18, 2021 | March 18, 2021 | Thursday |
| 34 | March 11, 2021 | March 11, 2021 | Thursday |
| 35 | March 26, 2021 | March 26, 2021 | Friday |
| 36 | April 03, 2021 | April 03, 2021 | Saturday |
| 37 | April 14, 2021 | April 14, 2021 | Wednesday |
| 38 | March 25, 2021 | March 25, 2021 | Thursday |
| 39 | March 27, 2021 | March 27, 2021 | Saturday |
| 40 | March 28, 2021 | March 28, 2021 | Sunday |
| 41 | March 28, 2021 | March 28, 2021 | Sunday |
| 42 | March 29, 2021 | March 29, 2021 | Monday |
| 43 | March 30, 2021 | March 30, 2021 | Tuesday |
| 44 | April 20, 2021 | April 20, 2021 | Tuesday |
| 45 | April 18, 2021 | April 18, 2021 | Sunday |
| 46 | April 08, 2021 | April 08, 2021 | Thursday |
| 47 | April 21, 2021 | April 21, 2021 | Wednesday |
| 48 | April 09, 2021 | April 09, 2021 | Friday |
| 49 | April 18, 2021 | April 18, 2021 | Thursday |
| 50 | April 06, 2021 | April 06, 2021 | Tuesday |
| 51 | April 06, 2021 | April 06, 2021 | Tuesday |
| 52 | April 29, 2021 | April 29, 2021 | Thursday |
| 53 | April 30, 2021 | April 30, 2021 | Friday |
| 54 | April 22, 2021 | April 22, 2021 | Thursday |
| 55 | May 01, 2021 | May 01, 2021 | Saturday |
| 56 | April 22, 2021 | April 22, 2021 | Thursday |
| 57 | April 23, 2021 | April 23, 2021 | Friday |
| 58 | April 26, 2021 | April 26, 2021 | Monday |
| 59 | January 26, 2021 | January 26, 2021 | Tuesday |
| 60 | February 16, 2021 | February 16, 2021 | Tuesday |

Time of Report

|  |  |  |
| --- | --- | --- |
| Victim ID | Reported | Time of Report |
| 1 | January 03, 2021 | 300 |
| 2 | January 12, 2021 | 100 |
| 3 | January 08, 2021 | 800 |
| 4 | January 19, 2021 | 1600 |
| 5 | January 21, 2021 | 1400 |
| 6 | January 18, 2021 | 1700 |
| 7 | January 20, 2021 | 900 |
| 8 | January 27, 2021 | 1300 |
| 9 | January 27, 2021 | 1900 |
| 10 | January 25, 2021 | 2100 |
| 11 | January 26, 2021 | 2000 |
| 12 | January 31, 2021 | 500 |
| 13 | January 29, 2021 | 2300 |
| 14 | February 08, 2021 | 2000 |
| 15 | February 06, 2021 | 700 |
| 16 | February 06, 2021 | 600 |
| 17 | February 10, 2021 | 300 |
| 18 | February 09, 2021 | 1200 |
| 19 | February 13, 2021 | 2300 |
| 20 | March 03, 2021 | 1600 |
| 21 | February 17, 2021 | 1500 |
| 22 | February 20, 2021 | 2300 |
| 23 | February 23, 2021 | 1400 |
| 24 | February 26, 2021 | 1800 |
| 25 | February 26, 2021 | 1800 |
| 26 | March 08, 2021 | 2300 |
| 27 | March 01, 2021 | 500 |
| 28 | March 07, 2021 | 1500 |
| 29 | March 14, 2021 | 1600 |
| 30 | March 14, 2021 | 2300 |
| 31 | March 03, 2021 | 600 |
| 32 | March 13, 2021 | 2200 |
| 33 | March 18, 2021 | 1600 |
| 34 | March 11, 2021 | 1500 |
| 35 | March 26, 2021 | 2300 |
| 36 | April 03, 2021 | 2300 |
| 37 | April 14, 2021 | 2200 |
| 38 | March 25, 2021 | 2100 |
| 39 | March 27, 2021 | 2000 |
| 40 | March 28, 2021 | 1400 |
| 41 | March 28, 2021 | 1600 |
| 42 | March 29, 2021 | 700 |
| 43 | March 30, 2021 | 1200 |
| 44 | April 20, 2021 | 2300 |
| 45 | April 18, 2021 | 1200 |
| 46 | April 08, 2021 | 500 |
| 47 | April 21, 2021 | 1300 |
| 48 | April 09, 2021 | 2000 |
| 49 | April 18, 2021 | 2000 |
| 50 | April 06, 2021 | 1600 |
| 51 | April 06, 2021 | 100 |
| 52 | April 29, 2021 | 1800 |
| 53 | April 30, 2021 | 700 |
| 54 | April 22, 2021 | 800 |
| 55 | May 01, 2021 | 2300 |
| 56 | April 22, 2021 | 1600 |
| 57 | April 23, 2021 | 2100 |
| 58 | April 26, 2021 | 1700 |
| 59 | January 26, 2021 | 2100 |
| 60 | February 16, 2021 | 2100 |

**Section 4 Data Warehouse Design and Coding**

**Data Marts**

The use of this system is not limited to a single focus for its users.

**Data Warehouse Queries – Code**

**(Note: This script is written in MySQL. There are unfound errors in the last scripts.)**

CREATE TABLE IF NOT EXISTS victim\_race\_sex (

    `Victim\_ID` INT,

    `Race` VARCHAR(5) CHARACTER SET utf8,

    `Sex` VARCHAR(6) CHARACTER SET utf8

);

INSERT INTO victim\_race\_sex VALUES

    (1,'Black','Male'),

    (2,'Black','Female'),

    (3,'White','Male'),

    (4,'Black','Male'),

    (5,'Black','Female'),

    (6,'White','Male'),

    (7,'Black','Female'),

    (8,'Black','Male'),

    (9,'White','Male'),

    (10,'Black','Male'),

    (11,'White','Male'),

    (12,'Black','Female'),

    (13,'Black','Male'),

    (14,'Black','Female'),

    (15,'White','Male'),

    (16,'Black','Male'),

    (17,'Black','Female'),

    (18,'Black','Male'),

    (19,'White','Male'),

    (20,'White','Male'),

    (21,'Black','Male'),

    (22,'Black','Female'),

    (23,'White','Male'),

    (24,'Asian','Male'),

    (25,'White','Male'),

    (26,'Black','Female'),

    (27,'White','Male'),

    (28,'Asian','Male'),

    (29,'Black','Male'),

    (30,'Black','Female'),

    (31,'White','Male'),

    (32,'Black','Male'),

    (33,'White','Male'),

    (34,'White','Male'),

    (35,'Black','Female'),

    (36,'Black','Male'),

    (37,'White','Male'),

    (38,'Black','Female'),

    (39,'White','Male'),

    (40,'Black','Male'),

    (41,'Black','Female'),

    (42,'Black','Male'),

    (43,'Black','Female'),

    (44,'White','Male'),

    (45,'Black','Male'),

    (46,'Black','Female'),

    (47,'White','Male'),

    (48,'White','Male'),

    (49,'Black','Male'),

    (50,'Black','Male'),

    (51,'White','Female'),

    (52,'Black','Male'),

    (53,'White','Male'),

    (54,'Black','Male'),

    (55,'White','Female'),

    (56,'Black','Male'),

    (57,'White','Male'),

    (58,'Other','Male'),

    (59,'Black','Male'),

    (60,'White','Female');

CREATE TABLE IF NOT EXISTS victim\_address\_neighborhood (

    `Victim\_ID` INT,

    `Address` VARCHAR(35) CHARACTER SET utf8,

    `Neighborhood` VARCHAR(15) CHARACTER SET utf8

);

INSERT INTO victim\_address\_neighborhood VALUES

    (1,'072XX Morrison Rd','NO East'),

    (2,'031XX N Claiborne Ave','CBD'),

    (3,'003XX N Villere St','CBD'),

    (4,'027XX Marigny St','Marigny'),

    (5,'Downman Rd & Odin St','NO East'),

    (6,'030XX Blk Bienville St','CBD'),

    (7,'016XX France St','Lakeshore'),

    (8,'034XX Kabel Dr','NO East'),

    (9,'022XX N Galvez St','CBD'),

    (10,'070XX Lawrence Rd','Lakeshore'),

    (11,'020XX Canal St','French Quarter'),

    (12,'051XX Saint Claude Ave','CBD'),

    (13,'123XX N I-10 Service Rd','NO East'),

    (14,'021XX Springbrook Ln','NO East'),

    (15,'078XX Shubert St','NO East'),

    (16,'011XX Marigny St','Treme'),

    (17,'123XX S I-10 Service Rd','NO East'),

    (18,'038XX 4th St','Garden District'),

    (19,'021XX Blk Washington Ave','Uptown'),

    (20,'012XX Desire St','Gentilly'),

    (21,'037XX S Claiborne Ave','CBD'),

    (22,'031XX Carondelet St','CBD'),

    (23,'021XX Deslonde St','NO East'),

    (24,'030XX Higgins Blvd','NO East'),

    (25,'030XX Higgins Blvd','NO East'),

    (26,'Leonidas St & Forshey St','Uptown'),

    (27,'S I-10 Service Rd & Mayo Blvd','NO East'),

    (28,'031XX 2nd St','Uptown'),

    (29,'059XX Read Blvd','NO East'),

    (30,'015XX Saint Bernard Ave','CBD'),

    (31,'022XX N Claiborne Ave','CBD'),

    (32,'046XX Washington Ave','Uptown'),

    (33,'021XX Blk Allen St','NO East'),

    (34,'018XX Blk Lakeshore Dr','Lakefront'),

    (35,'Delery St & Chartres St','CBD'),

    (36,'Banks St & S Carrollton Ave','CBD'),

    (37,'054XX Blk N Rampart St','NO East'),

    (38,'I-10 E & Read Blvd','NO East'),

    (39,'037XX Blair St','Algiers'),

    (40,'061XX Tullis Dr','Algiers'),

    (41,'Annette St & N Miro St','Gentilly '),

    (42,'059XX Boeing St','Gentilly'),

    (43,'059XX Dwyer Rd','NO East'),

    (44,'053XX Blk Lafaye St','Lakefront'),

    (45,'Us 90B E & Tchoupitoulas Exit','CBD'),

    (46,'123XX N I-10 Service Rd','NO East'),

    (47,'040XX N Galvez St','CBD'),

    (48,'Orleans Ave & N Dorgenois St','Uptown'),

    (49,'022XX Blk N Johnson St','Uptown'),

    (50,'006XX Blk Foch Rd','Lakefront'),

    (51,'056XX Read Blvd','NO East'),

    (52,'123XX N I-10 Service Rd','NO East'),

    (53,'011XX Verret St','Algiers'),

    (54,'Nunez St & Diana St','Algiers'),

    (55,'Saint Bernard Ave & N Claiborne Ave','CBD'),

    (56,'055XX Mckenna St','NO East'),

    (57,'005XX Blk Wisner Blvd','NO East'),

    (58,'022XX Bartholomew St','Uptown'),

    (59,'078XX Sand St','NO East'),

    (60,'075XX Morel St','NO East');

CREATE TABLE IF NOT EXISTS victim\_typeofmurder (

    `Victim\_ID` INT,

    `Type\_of\_Murder` VARCHAR(20) CHARACTER SET utf8

);

INSERT INTO victim\_typeofmurder VALUES

    (1,'HOMICIDE BY SHOOTING'),

    (2,'HOMICIDE DOMESTIC'),

    (3,'HOMICIDE BY SHOOTING'),

    (4,'HOMICIDE BY SHOOTING'),

    (5,'HOMICIDE BY SHOOTING'),

    (6,'HOMICIDE BY SHOOTING'),

    (7,'HOMICIDE BY SHOOTING'),

    (8,'HOMICIDE BY SHOOTING'),

    (9,'HOMICIDE BY SHOOTING'),

    (10,'HOMICIDE BY SHOOTING'),

    (11,'HOMICIDE BY SHOOTING'),

    (12,'HOMICIDE BY CUTTING'),

    (13,'HOMICIDE BY SHOOTING'),

    (14,'HOMICIDE BY SHOOTING'),

    (15,'HOMICIDE BY SHOOTING'),

    (16,'HOMICIDE BY SHOOTING'),

    (17,'HOMICIDE'),

    (18,'HOMICIDE'),

    (19,'HOMICIDE BY SHOOTING'),

    (20,'HOMICIDE BY CUTTING'),

    (21,'HOMICIDE BY SHOOTING'),

    (22,'HOMICIDE BY SHOOTING'),

    (23,'HOMICIDE BY SHOOTING'),

    (24,'HOMICIDE BY SHOOTING'),

    (25,'HOMICIDE BY SHOOTING'),

    (26,'HOMICIDE BY SHOOTING'),

    (27,'HOMICIDE BY SHOOTING'),

    (28,'HOMICIDE BY SHOOTING'),

    (29,'HOMICIDE BY SHOOTING'),

    (30,'HOMICIDE BY SHOOTING'),

    (31,'HOMICIDE BY SHOOTING'),

    (32,'HOMICIDE BY SHOOTING'),

    (33,'HOMICIDE BY SHOOTING'),

    (34,'HOMICIDE BY SHOOTING'),

    (35,'HOMICIDE BY SHOOTING'),

    (36,'HOMICIDE BY SHOOTING'),

    (37,'HOMICIDE BY SHOOTING'),

    (38,'HOMICIDE BY SHOOTING'),

    (39,'HOMICIDE BY SHOOTING'),

    (40,'HOMICIDE BY SHOOTING'),

    (41,'HOMICIDE BY SHOOTING'),

    (42,'HOMICIDE BY SHOOTING'),

    (43,'HOMICIDE BY SHOOTING'),

    (44,'HOMICIDE BY SHOOTING'),

    (45,'HOMICIDE BY SHOOTING'),

    (46,'HOMICIDE'),

    (47,'HOMICIDE BY SHOOTING'),

    (48,'HOMICIDE BY SHOOTING'),

    (49,'HOMICIDE BY SHOOTING'),

    (50,'HOMICIDE BY SHOOTING'),

    (51,'HOMICIDE BY SHOOTING'),

    (52,'HOMICIDE DOMESTIC'),

    (53,'HOMICIDE BY SHOOTING'),

    (54,'HOMICIDE BY SHOOTING'),

    (55,'HOMICIDE BY SHOOTING'),

    (56,'HOMICIDE BY SHOOTING'),

    (57,'HOMICIDE BY CUTTING'),

    (58,'HOMICIDE BY SHOOTING'),

    (59,'HOMICIDE BY SHOOTING'),

    (60,'HOMICIDE BY SHOOTING');

CREATE TABLE IF NOT EXISTS victim\_dayoftheweek (

    `Victim\_ID` INT,

    `Reported` VARCHAR(19) CHARACTER SET utf8,

    `Reported\_1` VARCHAR(19) CHARACTER SET utf8,

    `Day\_of\_the\_Week` VARCHAR(9) CHARACTER SET utf8

);

INSERT INTO victim\_dayoftheweek VALUES

    (1,'January 03, 2021','January 03, 2021','Sunday'),

    (2,'January 12, 2021','January 12, 2021','Tuesday'),

    (3,'January 08, 2021','January 08, 2021','Friday'),

    (4,'January 19, 2021','January 19, 2021','Tuesday'),

    (5,'January 21, 2021','January 21, 2021','Thursday'),

    (6,'January 18, 2021','January 18, 2021','Monday'),

    (7,'January 20, 2021','January 20, 2021','Wednesday'),

    (8,'January 27, 2021','January 27, 2021','Wednesday'),

    (9,'January 27, 2021','January 27, 2021','Wednesday'),

    (10,'January 25, 2021','January 25, 2021','Monday'),

    (11,'January 26, 2021','January 26, 2021','Tuesday'),

    (12,'January 31, 2021','January 31, 2021','Sunday'),

    (13,'January 29, 2021','January 29, 2021','Friday'),

    (14,'February 08, 2021','February 08, 2021','Monday'),

    (15,'February 06, 2021','February 06, 2021','Saturday'),

    (16,'February 06, 2021','February 06, 2021','Saturday'),

    (17,'February 10, 2021','February 10, 2021','Wednesday'),

    (18,'February 09, 2021','February 09, 2021','Tuesday'),

    (19,'February 13, 2021','February 13, 2021','Sunday'),

    (20,'March 03, 2021','March 03, 2021','Wednesday'),

    (21,'February 17, 2021','February 17, 2021','Wednesday'),

    (22,'February 20, 2021','February 20, 2021','Saturday'),

    (23,'February 23, 2021','February 23, 2021','Tuesday'),

    (24,'February 26, 2021','February 26, 2021','Friday'),

    (25,'February 26, 2021','February 26, 2021','Friday'),

    (26,'March 08, 2021','March 08, 2021','Monday'),

    (27,'March 01, 2021','March 01, 2021','Monday'),

    (28,'March 07, 2021','March 07, 2021','Sunday'),

    (29,'March 14, 2021','March 14, 2021','Sunday'),

    (30,'March 14, 2021','March 14, 2021','Sunday'),

    (31,'March 03, 2021','March 03, 2021','Wednesday'),

    (32,'March 13, 2021','March 13, 2021','Saturday'),

    (33,'March 18, 2021','March 18, 2021','Thursday'),

    (34,'March 11, 2021','March 11, 2021','Thursday'),

    (35,'March 26, 2021','March 26, 2021','Friday'),

    (36,'April 03, 2021','April 03, 2021','Saturday'),

    (37,'April 14, 2021','April 14, 2021','Wednesday'),

    (38,'March 25, 2021','March 25, 2021','Thursday'),

    (39,'March 27, 2021','March 27, 2021','Saturday'),

    (40,'March 28, 2021','March 28, 2021','Sunday'),

    (41,'March 28, 2021','March 28, 2021','Sunday'),

    (42,'March 29, 2021','March 29, 2021','Monday'),

    (43,'March 30, 2021','March 30, 2021','Tuesday'),

    (44,'April 20, 2021','April 20, 2021','Tuesday'),

    (45,'April 18, 2021','April 18, 2021','Sunday'),

    (46,'April 08, 2021','April 08, 2021','Thursday'),

    (47,'April 21, 2021','April 21, 2021','Wednesday'),

    (48,'April 09, 2021','April 09, 2021','Friday'),

    (49,'April 18, 2021','April 18, 2021','Thursday'),

    (50,'April 06, 2021','April 06, 2021','Tuesday'),

    (51,'April 06, 2021','April 06, 2021','Tuesday'),

    (52,'April 29, 2021','April 29, 2021','Thursday'),

    (53,'April 30, 2021','April 30, 2021','Friday'),

    (54,'April 22, 2021','April 22, 2021','Thursday'),

    (55,'May 01, 2021','May 01, 2021','Saturday'),

    (56,'April 22, 2021','April 22, 2021','Thursday'),

    (57,'April 23, 2021','April 23, 2021','Friday'),

    (58,'April 26, 2021','April 26, 2021','Monday'),

    (59,'2021-01-26 00:00:00','2021-01-26 00:00:00','Tuesday'),

    (60,'2021-02-16 00:00:00','2021-02-16 00:00:00','Tuesday');

CREATE TABLE IF NOT EXISTS victim\_reporttime (

    `Victim\_ID` INT,

    `Reported` VARCHAR(19) CHARACTER SET utf8,

    `Time\_of\_Report` INT

);

INSERT INTO victim\_reporttime VALUES

    (1,'January 03, 2021',300),

    (2,'January 12, 2021',100),

    (3,'January 08, 2021',800),

    (4,'January 19, 2021',1600),

    (5,'January 21, 2021',1400),

    (6,'January 18, 2021',1700),

    (7,'January 20, 2021',900),

    (8,'January 27, 2021',1300),

    (9,'January 27, 2021',1900),

    (10,'January 25, 2021',2100),

    (11,'January 26, 2021',2000),

    (12,'January 31, 2021',500),

    (13,'January 29, 2021',2300),

    (14,'February 08, 2021',2000),

    (15,'February 06, 2021',700),

    (16,'February 06, 2021',600),

    (17,'February 10, 2021',300),

    (18,'February 09, 2021',1200),

    (19,'February 13, 2021',2300),

    (20,'March 03, 2021',1600),

    (21,'February 17, 2021',1500),

    (22,'February 20, 2021',2300),

    (23,'February 23, 2021',1400),

    (24,'February 26, 2021',1800),

    (25,'February 26, 2021',1800),

    (26,'March 08, 2021',2300),

    (27,'March 01, 2021',500),

    (28,'March 07, 2021',1500),

    (29,'March 14, 2021',1600),

    (30,'March 14, 2021',2300),

    (31,'March 03, 2021',600),

    (32,'March 13, 2021',2200),

    (33,'March 18, 2021',1600),

    (34,'March 11, 2021',1500),

    (35,'March 26, 2021',2300),

    (36,'April 03, 2021',2300),

    (37,'April 14, 2021',2200),

    (38,'March 25, 2021',2100),

    (39,'March 27, 2021',2000),

    (40,'March 28, 2021',1400),

    (41,'March 28, 2021',1600),

    (42,'March 29, 2021',700),

    (43,'March 30, 2021',1200),

    (44,'April 20, 2021',2300),

    (45,'April 18, 2021',1200),

    (46,'April 08, 2021',500),

    (47,'April 21, 2021',1300),

    (48,'April 09, 2021',2000),

    (49,'April 18, 2021',2000),

    (50,'April 06, 2021',1600),

    (51,'April 06, 2021',100),

    (52,'April 29, 2021',1800),

    (53,'April 30, 2021',700),

    (54,'April 22, 2021',800),

    (55,'May 01, 2021',2300),

    (56,'April 22, 2021',1600),

    (57,'April 23, 2021',2100),

    (58,'April 26, 2021',1700),

    (59,'2021-01-26 00:00:00',2100),

    (60,'2021-02-16 00:00:00',2100);

**Section 5 Data Warehouse Queries**







