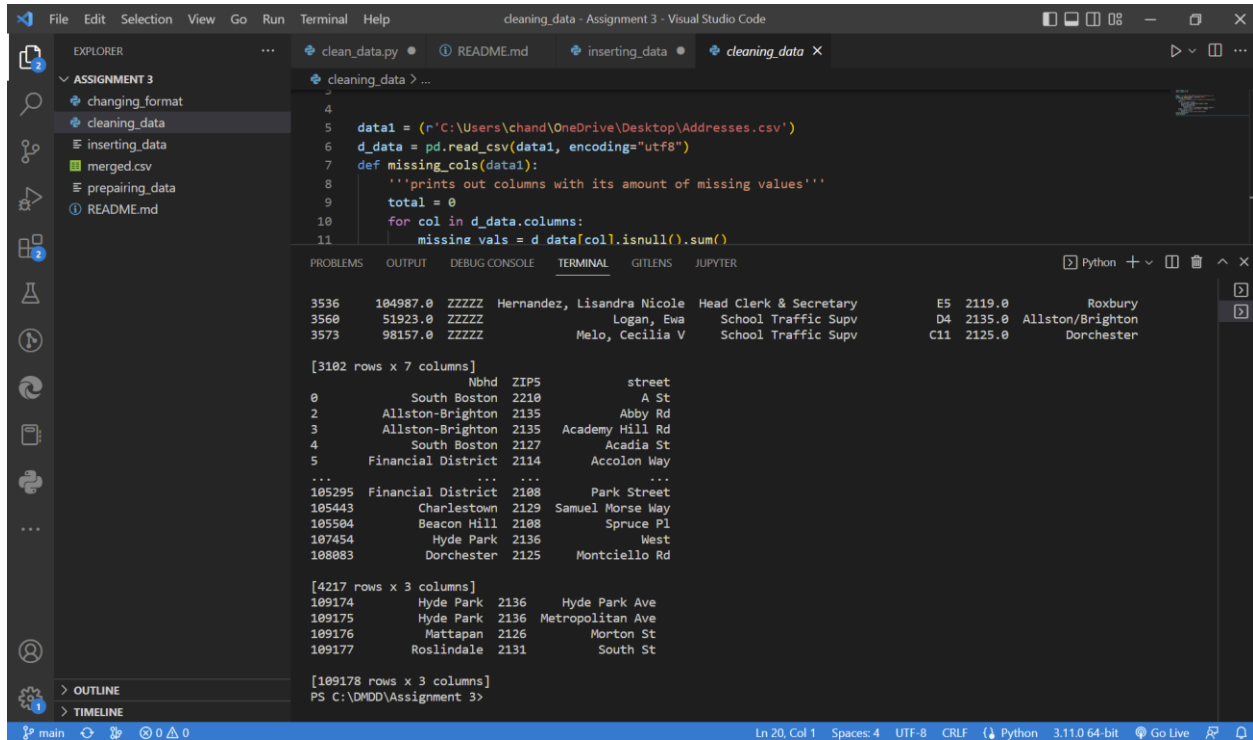


Python Script Results and successful load in the database



The screenshot shows a Visual Studio Code editor window titled "cleaning_data - Assignment 3 - Visual Studio Code". The Explorer panel on the left shows a project structure with files: `cleaning_data`, `inserting_data`, `merged.csv`, `preparing_data`, and `README.md`. The main editor displays a Python script `cleaning_data.py` with the following code:

```
4
5 data1 = (r'C:\Users\chand\OneDrive\Desktop\Addresses.csv')
6 d_data = pd.read_csv(data1, encoding="utf8")
7 def missing_cols(data1):
8     '''prints out columns with its amount of missing values'''
9     total = 0
10    for col in d_data.columns:
11        missing_vals = d_data[col].isnull().sum()
```

The TERMINAL panel at the bottom shows the output of the script, displaying data for 3102 rows x 7 columns and 4217 rows x 3 columns. The output includes a table of data for the first 3102 rows:

Index	Zip	Name	Job	City	State	Zip
3536	104987.0	ZZZZZ	Hernandez, Lisandra Nicole	Head Clerk & Secretary	E5	2119.0
3560	51923.0	ZZZZZ	Logan, Ewa	School Traffic Supv	D4	2135.0
3573	98157.0	ZZZZZ	Melo, Cecilia V	School Traffic Supv	C11	2125.0

The output also shows the following data for 4217 rows x 3 columns:

Index	City	Zip	Street
109174	Hyde Park	2136	Hyde Park Ave
109175	Hyde Park	2136	Metropolitan Ave
109176	Mattapan	2126	Morton St
109177	Roslindale	2131	South St

The terminal also shows the following data for 109178 rows x 3 columns:

Index	City	Zip	Street
109178	Hyde Park	2136	Hyde Park Ave
109179	Hyde Park	2136	Metropolitan Ave
109180	Mattapan	2126	Morton St
109181	Roslindale	2131	South St

The status bar at the bottom indicates the file is at Line 20, Column 1, with 4 spaces, UTF-8 encoding, CRLF line endings, and is using Python 3.11.0 64-bit.

File Edit Selection View Go Run Terminal Help inserting_data - Assignment 3 - Visual Studio Code

EXPLORER

ASSIGNMENT 3

- changing_format
- cleaning_data
- inserting_data
- merged.csv
- preparing_data
- README.md

clean_data.py

```
1 import mysql.connector
2 import csv
3 import pandas as pd
4
5 #establishing connection
6 conn=mysql.connector.connect(host='localhost', username='root', password='admin', database='fear_away', allow_pipelines=True)
7 my_cursor=conn.cursor()
8
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL GIT LENS JUPYTER

```
['Hyde Park', '2136', 'Pinefield Ln']
['Charlestown', '2129', 'S Quincy Pl']
['Hyde Park', '2136', 'Shepard Ct']
['South Boston', '2210', 'Tide St']
['West Roxbury', '2132', 'Vesper St']
['Mattapan', '2124', 'Wilbert Cir']
['Financial District', '2113', 'Salem']
['Back Bay', '2114', 'Blossom Ct']
['Charlestown', '2129', 'W School St']
['Jamaica Plain', '2130', 'Stonley Rd']
['Back Bay', '2116', 'Broadway']
['Financial District', '2116', 'Carver St']
['Roxbury', '2119', 'Greenville Park']
['Roxbury', '2121', 'Montana St']
['Financial District', '2108', 'Province Ct']
['Mission Hill', '2120', 'Racine Ct']
['Dorchester', '2122', 'Walnut']
['East Boston', '2128', 'Saratoga']
['West Roxbury', '2132', 'Lyall Ter']
['Roxbury', '2119', 'Albany']
['Financial District', '2108', 'Park Street']
['Charlestown', '2129', 'Samuel Morse Way']
['Beacon Hill', '2108', 'Spruce Pl']
['Hyde Park', '2136', 'West']
['Dorchester', '2125', 'Montciello Rd']
Loaded in location Database
PS C:\DDD\Assignment 3>
```

main You, 1 minute ago Ln 11, Col 1 Spaces: 4 UTF-8 CRLF Python 3.11.0 64-bit Go Live

MySQL Workbench

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

- feared_away
 - Tables
 - cops_info
 - incidents
 - location
 - tweets
 - user
 - Views
 - Stored Procedures
 - Functions
- feared_away
- sakila
- sys
- world

Administration Schemas

Limit to 1000 rows

```
1 select * from incidents
2 order by incident_year desc;
3
4
5
```

Result Grid

incident_number	incident_code_group	incident_desc	incident_district	incident_year	incident
S87066666	Verbal Disputes	VERBAL DISPUTE	B2	2022	4
222093794	Motor Vehicle Accident Response	INVESTIGATE PERSON	B3	2022	12
222093795	Motor Vehicle Accident Response	INVESTIGATE PROPERTY	D4	2022	12
222093796	Motor Vehicle Accident Response	M/V ACCIDENT - OTHER CITY VEHICLE	B2	2022	12
222093797	Medical Assistance	BURGLARY - COMMERCIAL	A1	2022	12
222093800	Motor Vehicle Accident Response	M/V ACCIDENT - PROPERTY DAMAGE	E18	2022	12
222093802	Larceny	SICK/INJURED/MEDICAL - PERSON	A1	2022	12
222093803	Verbal Disputes	NOISY PARTY/RADIO-NO ARREST	B3	2022	12
222093804	Medical Assistance	M/V ACCIDENT - PROPERTY DAMAGE	B3	2022	12
222093805	Medical Assistance	FIRE REPORT	C11	2022	12
222093807	Violations	SICK ASSIST - DRUG RELATED ILLNESS	B3	2022	12
222093808	Investigate Drunken	ACCIDENT - CIVILIAN	C6	2022	12

MySQL Workbench

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

▼ fear_away

Tables

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Views

Stored Procedures

Functions

▼ fears_away

▼ sakila

▼ sys

▼ world

Administration Schemas

Information

Query Editor

1 • select * from incident_type;

2

3

4

5

Result Grid

Filter Rows:

Edit: Export/Import: Wrap Cell Content: Fetch rows

incident_id	offence_code	incident_type
10637224	3125	Motor Vehicle Accident Response
120221042	3006	Motor Vehicle Accident Response
121000816	3304	Verbal Disputes
121005808	1102	Medical Assistance
121016052	3831	Property Found
121033495	2403	Verbal Disputes
121055112	3201	Verbal Disputes
121069865	617	Motor Vehicle Accident Response
121090532	3005	Larceny
121094465	3201	Fire Related Reports
20021670	613	Drug Violation
201906722	2610	Verbal Disputes
202001105	3115	Motor Vehicle Accident Response

incident_type 8 x

Apply Revert

MySQL Workbench

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

▼ fear_away

Tables

- cops_info
- incidents
- location
- tweets
- user

Views

Stored Procedures

Functions

▼ fears_away

▼ sakila

▼ sys

▼ world

Administration Schemas

Information

Query Editor

1 • select * from cops_info;

2

3

4

5

Result Grid

Filter Rows:

Edit: Export/Import: Wrap Cell Content: Fetch rows

cop_id	cop_badge	cop_name	cop_title	cop_district	zip_code	neighborhood
1430	1851	Adduci, Vincent R.	Police Offc/Auto Invest 4\$10	A1	2190	Weymouth
1490	2038	Burke, John F.	Police Officer	E18	2124	Dorchester
1688	3154	Converse, Roger C.	Police Officer	B3	2132	West Roxbury
1708	ZZZZZ	Jordan, Thomas L.	Head Clerk	B2	2130	Jamaica Plain
1762	1762	Joyce, Paul J.	Police Detective	D4	2184	Braintree
1914	ZZZZZ	O'Leary, Patricia A.	School Traffic Supv	D4	2130	Jamaica Plain
2059	ZZZZZ	Colon, Nilda L.	Police Clerk And Typist	A1	2131	Rosindale
2153	ZZZZZ	Hutchings, Thomas R.	Sr Data Proc Sys Anl (ASD/DPU)	C11	2135	Allston/Brighton
2249	ZZZZZ	Owen, Charles C Jr	Store Control Supv(Bpd Fleet)	E18	2151	Revere
2277	747	Santry, Patrick B.	Police Sergeant	A1	2359	Pembroke
6948	ZZZZZ	Willis, Mirta L.	Police Dispatcher	C11	2126	Mattapan
6987	3100	Santry, Michael S.	Police Offc/Auto Invest 4\$10	E13	2492	Needham
7044	NS10T	Burkley, Kevin T.	Simm Bnd	F13	2174	Dorchester

cops_info 9 x

Apply Revert

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

- ▼ fear_away
 - ▼ Tables
 - cops_info
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 - Views
 - Stored Procedures
 - Functions
- ▼ fears_away
- ▼ sakila
- ▼ sys
- ▼ world

Administration Schemas Information

1 • SELECT * FROM LOCATION;

2

3

4

5

Result Grid Filter Rows: Export: Wrap Cell Content:

	neighborhood	postal
▶	South Boston	2210
	West Roxbury	2132
	Allston-Brighton	2135
	South Boston	2127
	Financial District	2114
	Hyde Park	2136
	Roslindale	2131
	Dorchester	2122
	Charlestown	2129
	Roxbury	2119
	Dorchester	2124
	East Boston	2128
	Tamara Plain	2130

LOCATION 13 x

Read Only