Aim: To execute pandal program to detect missing values of a given datastrome

pseudo code:

1 import libraries pandas

1 create a datatrame

I corect Detach some; create a datafague with mil 1 Detect missing values: use isnull() tunction to identity missing values + Reploye missing values: we me seplace () we that

Display results haldess with when you then the slaw wine

sample input:

dt: pd. Data Frame (inp. random. round (10,4), columns:

['A', 'B' (C', 'D')

Comple Custont

I person updated detalogue

sample output; (4,01) brose mobiles, god mark also by all

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13 D

False True False False

False False true False

True False talse False

False True False False

Result:

This code has been successfully executed and sot the output

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```
import pandas as pd
import numpy as np
# Sample DataFrame based on your screenshot
# Sample DataFrame based on your streamed data = {
    'ord_no': [70001, np.nan, 70002, 70004, np.nan, 70005, np.nan, 70010, 70003, 70012, np.nan, 70013],
    'purch_amt': [150.5, 270.65, 65.26, 110.5, 948.5, 2400.6, 5760.0, 1983.43, 2480.4, 250.45, 75.29, 3045.6],
    'ord_date': [70121-10-05', '2012-09-10', np.nan, '2012-08-17', '2012-09-10', '2012-07-27', '2012-09-10', '2012-10-10', '2012-10-10', '2012-06-27', '2012-08-17', '2012-09-10', '2012-09-10', '2012-09-10', '2012-10-10', '2012-10-10', '2012-06-27', '2012-08-17', '2012-04-25'],
    'customer_id': [3002, 3001, 3001, 3003, 3002, 3001, 3003, 3003, 3002, 3001, 3001],
    'salesman_id': [5002, 5003, 5001, np.nan, 5002, 5001, np.nan, 5003, 5003, np.nan]
}
df = pd.DataFrame(data)
# Detect missing values
missing_values = df.isna()
# Display the DataFrame of True/False values indicating missing data
print(missing_values)
lDLE Shell 3.12.4
File Edit Shell Debug Options Window Help
       Python 3.12.4 (tags/v3.12.4:8e8a4ba, Jun 6 2024, 19:30:16) [MSC v.1940 64 bit ( AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
       = RESTART: C:/Users/abhip/OneDrive/Documents/DSA05 LAB/program 11.py
ord_no purch_amt ord_date customer_id salesman_id
0 False False False False False False
                   True
False
                                            False
False
False
                                                                  False
True
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                   False
False
                                                                                                                              False
```

10

False

False

False

False