Experiment-13 ALM: To execute pandas perogram to detect wassing values of a given dataframe. Psendo code : 1) Import thewartes pandae. 2) create a dataframe. 3) Use u mull() to redentify musing values. 4) Duplay the neutt. Sample Input: df = pd. Data Frame Cinp. random. rand (10,4), columns=['A', 'B' ic' id Sample Output: В Foilse True talse talse False False True False Frue False False False False False False True Result. Thes code has been executed successful G got the putput.

```
import pandas as pd
import numpy as np
# Sample DataFrame based on your screenshot
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': ['2012-10-05', '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', '2012-04-25'],
    'customer id': [3002, 3001, 3001, 3003, 3002, 3001, 3001, 3003, 3003, 3002, 3001, 3001],
    'salesman id': [5002, 5003, 5001, np.nan, 5002, 5001, 5001, np.nan, 5003, 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)
IDLE Shell 3.12.4
                                                                              X
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 ( A
    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
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```