Colums with random dalapanx background kground and yellow apply lustom blumms of s a black 'B', C', O']

13. Usuite a pandas puogram to detect missing Valus of a giun Pataframe Display Timen or False.

Aim: To delect missing Values in a Datapame and Display
Tour whose values are missing (Nan) and Fask whose
Value are present.

## Pesudo Code !-

- -> impost the panolas And Alumpy Libraries.
- Some Nan Values at specific locations
- Detect missing values in humanique a woods &
  - -> Display the Ontaframe .. unsofold ill property (

Simple Papert >

df = pol Palafram Pap random sand (10,4), column = [A; E, C, D]

Sample outputs

	A	B	c	BI	
0	#alu	Trui	Falx	False	0
1	False	False	True	False	0
2	Time	False 0	Falsi 0	False O	8
				. 2 4	
4	Falk 0	False 0	False	tous	1

Result:

this Cook is executed successfully and got the

output.

he

```
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
        False
                    False
                              False
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                                                         True
>>>
```