Aim: To execute pandas program to replace missing values in a given data frame which donot have any valuable information

pseudocode:

- + import libraries: Import the poindas library
- I create batatrame: create a datatrame with missing values represented as placeholders like 3,-., or Na.N.
- * Replace missing values; we the replace () method to replace holders with NaN and then till NaN Wing fillmal)
- I puppay updated dataframe 11- pet-Data France ling, yandon som

sample input :

dt = pd. Data frame Inp. random. rand (10,4). Columns = ['A' ! B' 'c' (0'7)

sample output:

	A	323.5	C	D
0	0.72	0.34	0.65	0.12
1	0.32	0.45	0.57	0.89
2	0.51	0.14	6.76	0.37
2	-	:		-
9	0.29	0.43	0.69	0.46

This code has been successfully executed and so Result.

This lode has been executed successfully got the output

Aim: with

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```
import pandas as pd
import numpy as np
# Sample DataFrame based on your screenshot
     a = {
    'ord no': [70001, np.nan, 70002, 70004, np.nan, 70005, '--', 70010, 70003, 70012, np.nan, 70013],
    'purch amt': [150.5, 270.65, 65.26, 110.5, 948.5, 2400.6, 5760, '2', 12.43, 2480.4, 250.45, 3045.6],
    'ord date': ['2', '2012-09-10', np.nan, '2012-08-17', '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, 3003, 3002, 3001, 3001, 3004, '--', 3002, 3001, 3001, 3001, 3001, 3001, 3004, '--', 5003, 5002, 5003, '--']

'salesman_id': [5002, 5003, '7', 5001, np.nan, 5001, 5001, '7', 5003, 5002, 5003, '--']
                                                                                                                                           ▶ IDLE Shell 3.12.4
                                                                                                                                           File Edit Shell Debug Options Window Help
                                                                                                                                              # Replace placeholders ('?', '--') with NaN
df.replace(['7', '--'], np.nan, inplace=True)
# Display the DataFrame after replacement
print("DataFrame after replacing placeholders with NaN:\n", df)
DataFrame after filling NaN values:
# Display the DataFrame after filling NaN values print("\nDataFrame after filling NaN values:\n", df_filled)
                                                                                                                                                     ord_no purch_amt ord_date customer_id salesman_id
70001.0 150.500000 Unknown 3002.0 5002.0
0.0 270.650000 2012-09-10 3001.0 5003.0
                                                                                                                                                3001.0
                                                                                                                                                                                                                              5001.0
                                                                                                                                                                                                                                5001.0
                                                                                                                                                                                                              3001.0
                                                                                                                                                                                                             3001.0
3004.0
                                                                                                                                                                                                                                5001.0
                                                                                                                                                                                                             3002.0
                                                                                                                                                                                                             3001.0
                                                                                                                                                                                                                               5003.0
```