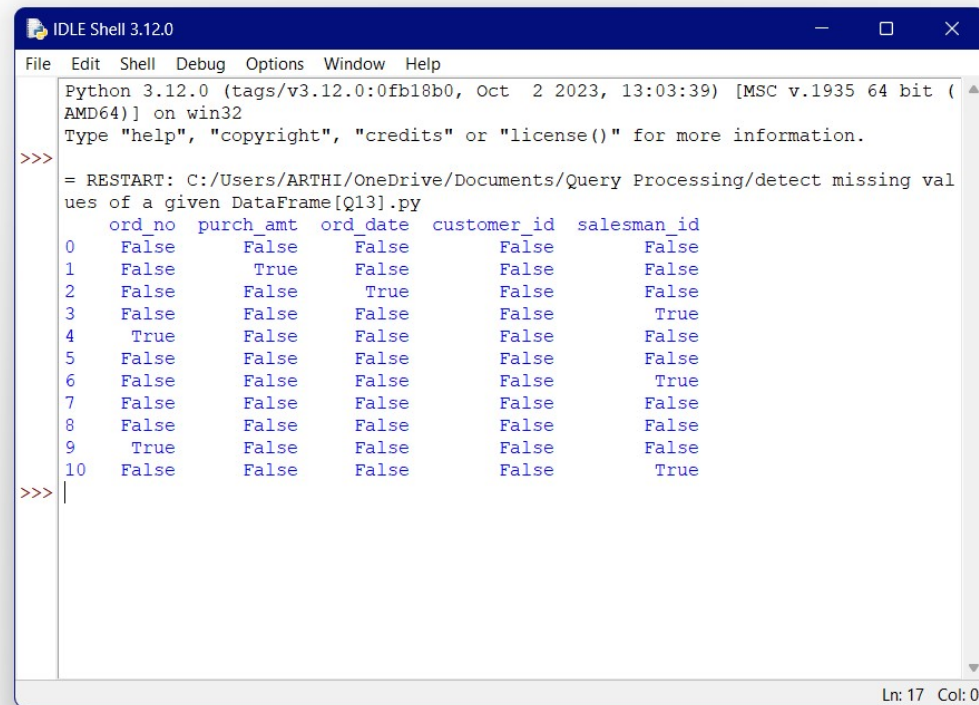


```
import pandas as pd
import numpy as np
data = {
    'ord_no': [70001.0, 5002.0, 5003.0, 70004.0, np.nan, 70005.0, 70010.0, 70003.0, 70012.0, np.nan, 70013.0],
    'purch_amt': [150.50, np.nan, 65.26, 110.50, 948.50, 2400.60, 5760.00, 1983.43, 2480.40, 75.29, 3045.60],
    'ord_date': ['2012-10-05', '2012-09-10', np.nan, '2012-08-17', '3 2min', '2012-07-27', '2012-09-10', '2012-10-10', '2012-06-27', '2012-08-17', '2012-04-25'],
    'customer_id': [3002, 3001, 3001, 3003, 3002, 3001, 3004, 3003, 3002, 3001, 3001],
    'salesman_id': [5002.0, 5003.0, 3001, np.nan, 5002.0, 5001.0, np.nan, 5003.0, 5002.0, 3001, np.nan]
}
df = pd.DataFrame(data)
missing_values = df.isna()
print(missing_values)
```



```
IDLE Shell 3.12.0
File Edit Shell Debug Options Window Help
Python 3.12.0 (tags/v3.12.0:0fb18b0, Oct 2 2023, 13:03:39) [MSC v.1935 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
= RESTART: C:/Users/ARTHI/OneDrive/Documents/Query Processing/detect missing values of a given DataFrame[Q13].py
   ord_no  purch_amt  ord_date  customer_id  salesman_id
0    False    False    False    False    False
1    False     True    False    False    False
2    False    False     True    False    False
3    False    False    False    False     True
4     True    False    False    False    False
5    False    False    False    False    False
6    False    False    False    False     True
7    False    False    False    False    False
8    False    False    False    False    False
9     True    False    False    False    False
10   False    False    False    False     True
>>> |
```

Ln: 17 Col: 0