

```
import pandas as pd

        Sample dataset #

        })train = pd.DataFrame
        ,[age": [25, None, 40, 33"
        ,["city": ["NY", "SF", None, "NY"
        ({

        })test = pd.DataFrame
        ,[age": [None, 50"
        ,[city": ["SF", None"
        ({

        ()age1 = train["age"].median
        [city1 = train["city"].mode()[0

        ()test_e = test.copy

        (test_e["age"] = test_e["age"].fillna(age1
        (test_e["city"] = test_e["city"].fillna(city1

        ()test_n = test.copy

        (test_n["age_missing"] = test_n["age"].isna().astype(int
        (test_n["city_missing"] = test_n["city"].isna().astype(int

        (test_n["age"] = test_n["age"].fillna(age1
        (test_n["city"] = test_n["city"].fillna(city1

        ("(print("Result 1: test_e (Simple
                    (print(test_e

        ("(print("\nResult 2: test_n (With Indicators
                    (print(test_n
```