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1 C:\Users\kavan\PyCharmMiscProject\venv\Scripts\python.exe "C:/Users/kavan\PyCharmMiscProject\AIML INTERNSHIP\task2.py"
```

```
2 Dataset loaded successfully!
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3
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```
4 Original Dataset Shape: (20, 8)
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5
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```
6 Missing Values BEFORE cleaning:
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```
7 Id          0
8 LotArea     0
9 LotFrontage 7
10 OverallQual 0
11 YearBuilt   0
12 MasVnrType  10
13 SalePrice   0
14 PoolQC      20
15 dtype: int64
```

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16 C:\Users\kavan\PyCharmMiscProject\AIML INTERNSHIP\task2.py:25: FutureWarning: A value is trying to be set on a copy of a DataFrame or Series through chained assignment using an inplace method.
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17 The behavior will change in pandas 3.0. This inplace method will never work because the intermediate object on which we are setting values always behaves as a copy.
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19 For example, when doing 'df[col].method(value, inplace=True)', try using 'df.method({col: value}, inplace=True)' or df[col] = df[col].method(value) instead, to perform the operation inplace on the original object.
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22 df[col].fillna(median_value, inplace=True)
23 C:\Users\kavan\PyCharmMiscProject\AIML INTERNSHIP\task2.py:32: FutureWarning: A
value is trying to be set on a copy of a DataFrame or Series through chained
assignment using an inplace method.
24 The behavior will change in pandas 3.0. This inplace method will never work because
the intermediate object on which we are setting values always behaves as a copy.
25
26 For example, when doing 'df[col].method(value, inplace=True)', try using 'df.method
({col: value}, inplace=True)' or df[col] = df[col].method(value) instead, to perform
the operation inplace on the original object.
27
28 df[col].fillna(mode_value, inplace=True)
29
30 Dropped column: PoolQC (too many missing values)
31
32 Missing Values AFTER cleaning:
33
34 Id          0
35 LotArea     0
36 LotFrontage 0
37 OverallQual 0
38 YearBuilt   0
39 MasVnrType  0
40 SalePrice   0
41 dtype: int64
42
43 Dataset Shape Comparison:
```

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44 Before Cleaning: (20 , 8)
45 After Cleaning: (20 , 7)
46
47 Cleaned dataset saved as 'house_prices_cleaned.csv'
48
49 Task 2 Completed Successfully!
50
51 Process finished with exit code 0
52
```