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Roll No. : CH.EN.U4CSE20173

Cognizance

Task-6

Q-1:

Before Execution(txt file):

Filename2.csv
```
1    1Aaa3.5Maths2Bbb4.2Physics3Ccc7.62Chemistry4Ddd9.55Biology5Eee4.0Social6Fff7.6English7Ggg3.111Maths8Hhh9.99Physics9Iii1.23Civics
```

Output:

```
D:\Cognizance\Task-6>"C:/Users/Uvan Shankar/AppData/Local/Microsoft/WindowsApps/python3.9.exe" d:/Cognizance/Task-6/q-1.py
The lines written in the file are
1,Aaa,3.5,Maths
2,Bbb,4.2,Physics
3,Ccc,7.62,Chemistry
4,Ddd,9.55,Biology
5,Eee,4.0,Social
6,Fff,7.6,English
7,Ggg,3.111,Maths
8,Hhh,9.99,Physics
9,Iii,1.23,Civics
```

After Execution(txt file):

```
name2.csv
1,Aaa,3.5,Maths
2,Bbb,4.2,Physics
3,Ccc,7.62,Chemistry
4,Ddd,9.55,Biology
5,Eee,4.0,Social
6,Fff,7.6,English
7,Ggg,3.111,Maths
8,Hhh,9.99,Physics
9,Iii,1.23,Civics
```

Q-2:

Output:

```
D:\Cognizance\Task-6>"C:/Users/Uvan Shankar/AppData/Local/Microsoft/WindowsApps

Missing values in the given csv file are:
Id               0
MSSubClass       0
MSZoning         0
LotFrontage     14
LotArea          0
Street           0
Alley           93
LotShape         0
LandContour      0
Utilities        0
LotConfig        0
LandSlope        0
Neighborhood     0
Condition1       0
Condition2       0
BldgType         0
HouseStyle       0
OverallQual      0
OverallCond      0
YearBuilt        0
YearRemodAdd     0
RoofStyle        0
RoofMatl         0
Exterior1st      0
Exterior2nd      0
MasVnrType       0
MasVnrArea       0
ExterQual        0
ExterCond        0
Foundation       0
BsmtQual         3
BsmtCond         3
BsmtExposure     3
BsmtFinType1     3
BsmtFinSF1       0
BsmtFinType2     3
dtype: int64

Missing values in LotFrontage:
```

```
Missing values in LotFrontage:

0     False
1     False
2     False
3     False
4     False
     ...
94    False
95     True
96    False
97    False
98    False
Name: LotFrontage, Length: 99, dtype: bool

updated LotFrontage values:

0     65.0
1     80.0
2     68.0
3     60.0
4     84.0
     ...
94    69.0
95    65.0
96    78.0
97    73.0
98    85.0
Name: LotFrontage, Length: 99, dtype: object

Missing values in Alley:

0     True
1     True
2     True
3     True
4     True
     ...
94    True
95    True
96    True
97    True
98    True
```

```
 98    True
Name: Alley, Length: 99, dtype: bool

updated Alley values:

0     5
1     5
2     5
3     5
4     5
      ..
94    5
95    5
96    5
97    5
98    5
Name: Alley, Length: 99, dtype: object

Missing values in BsmtQual:

0     False
1     False
2     False
3     False
4     False
      ...
94    False
95    False
96    False
97    False
98    False
Name: BsmtQual, Length: 99, dtype: bool

Updated values:

0     Gd
1     Gd
2     Gd
3     TA
4     Gd
      ..
94    Gd
95    Gd
```

```
95    Gd
96    TA
97    TA
98    TA
Name: BsmtCond, Length: 99, dtype: object

Missing values in BsmtExposure:

0     False
1     False
2     False
3     False
4     False
      ...
94    False
95    False
96    False
97    False
98    False
Name: BsmtExposure, Length: 99, dtype: bool

Updated values:

0     No
1     Gd
2     Mn
3     No
4     Av
      ..
94    No
95    No
96    Av
97    No
98    No
Name: BsmtExposure, Length: 99, dtype: object

Missing values in BsmtFinType1:

0     False
1     False
2     False
3     False
4     False
```

```
4     False
      ...
94    False
95    False
96    False
97    False
98    False
Name: BsmtFinType1, Length: 99, dtype: bool

Updated values:

0     GLQ
1     ALQ
2     GLQ
3     ALQ
4     GLQ
      ...
94    GLQ
95    ALQ
96    ALQ
97    Rec
98    ALQ
Name: BsmtFinType1, Length: 99, dtype: object

Missing values in BsmtFinType2:

0     False
1     False
2     False
3     False
4     False
      ...
94    False
95    False
96    False
97    False
98    False
Name: BsmtFinType2, Length: 99, dtype: bool

Updated values:
```

```
0     Unf
1     Unf
2     Unf
3     Unf
4     Unf
      ...
94    Unf
95    Unf
96    Unf
97    Unf

Id             0
MSSubClass     0
MSZoning       0
LotFrontage    0
LotArea        0
Street         0
Alley          0
LotShape       0
LandContour    0
Utilities      0
LotConfig      0
LandSlope      0
Neighborhood   0
Condition1     0
Condition2     0
BldgType       0
HouseStyle     0
OverallQual    0
OverallCond    0
YearBuilt      0
YearRemodAdd   0
RoofStyle      0
RoofMatl       0
Exterior1st    0
Exterior2nd    0
MasVnrType     0
MasVnrArea     0
ExterQual      0
ExterCond      0
Foundation     0
BsmtQual       0
BsmtCond       0
```

```
BsmtCond       0
BsmtExposure   0
BsmtFinType1   0
BsmtFinSF1     0
BsmtFinType2   0
dtype: int64
```

Q-3

Output:

```
D:\Cognizance\Task-6>"C:/Users/Uvan Shankar/AppData/Local/Microsoft/WindowsApps/python3.9.exe" d:/Cognizance/Task-6/q-3.py
The most frequently occured element is:  Python
It has occured 3 times
```