

Task-6

OUTPUT SCREENSHOTS:

Question1:

```
PS C:\Users\minaa\Desktop\Cognizance_Club\Cognizance\Task-6> python -u "c:\Users\minaa\Desktop\Cognizance_Club\Cognizance\Task-6\Question1.py"
CSV file has been created with desired format.
PS C:\Users\minaa\Desktop\Cognizance_Club\Cognizance\Task-6>
```

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

Queation2:

```
PS C:\Users\mnaa\Desktop\Cognizance_Club\Cognizance\Task-6> python -u "c:\Users\mnaa\Desktop\Cognizance_Club\Cognizance\Task-6\Question2.py"
```

OLD CSV FILE WITH NaN AND NULL VALUES

	Id	MSSubClass	MSZoning	LotFrontage	LotArea	Street	Alley	LotShape	...	ExterCond	Foundation	BsmtQual	BsmtCond	BsmtExposure	BsmtFinType1	BsmtFinType2	
0	1	60	RL	65.0	8450	Pave	NaN	Reg	...	TA	PConc	Gd	TA	No	GLQ	766	Unf
1	2	20	RL	80.0	9690	Pave	NaN	Reg	...	TA	CBlock	Gd	TA	Gd	ALQ	978	Unf
2	3	60	RL	68.0	11250	Pave	NaN	IR1	...	TA	PConc	Gd	TA	Mn	GLQ	486	Unf
3	4	70	RL	60.0	9550	Pave	NaN	IR1	...	TA	BrkTil	TA	Gd	No	ALQ	216	Unf
4	5	60	RL	84.0	14260	Pave	NaN	IR1	...	TA	PConc	Gd	TA	Av	GLQ	655	Unf
...
34	95	60	RL	69.0	9337	Pave	NaN	IR1	...	Gd	PConc	Gd	TA	No	GLQ	648	Unf
35	96	60	RL	NaN	9765	Pave	NaN	IR2	...	Gd	PConc	Gd	Gd	No	ALQ	310	Unf
96	97	20	RL	78.0	10264	Pave	NaN	IR1	...	TA	PConc	Gd	TA	Av	ALQ	1162	Unf
97	98	20	RL	73.0	10921	Pave	NaN	Reg	...	TA	CBlock	TA	TA	No	Rec	520	Unf
98	99	30	RL	85.0	10625	Pave	NaN	Reg	...	TA	BrkTil	TA	TA	No	ALQ	108	Unf

[99 rows x 36 columns]

NUMBER OF NULL VALUES IN EACH COLUMN

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
BsmtFinType2	0
BsmtFinType2	3
dtype:	int64

NEW CSV FILE WITH NULL VALUES REPLACED BY ZEROS

	Id	MSSubClass	MSZoning	LotFrontage	LotArea	Street	Alley	LotShape	...	ExterCond	Foundation	BsmtQual	BsmtCond	BsmtExposure	BsmtFinType1	BsmtFinType2	
0	1	60	RL	65.0	8450	Pave	NaN	Reg	...	TA	PConc	Gd	TA	No	GLQ	766	Unf
1	2	20	RL	80.0	9690	Pave	NaN	Reg	...	TA	CBlock	Gd	TA	Gd	ALQ	978	Unf
2	3	60	RL	68.0	11250	Pave	NaN	IR1	...	TA	PConc	Gd	TA	Mn	GLQ	486	Unf
3	4	70	RL	60.0	9550	Pave	NaN	IR1	...	TA	BrkTil	TA	Gd	No	ALQ	216	Unf
4	5	60	RL	84.0	14260	Pave	NaN	IR1	...	TA	PConc	Gd	TA	Av	GLQ	655	Unf
...
34	95	60	RL	69.0	9337	Pave	NaN	IR1	...	Gd	PConc	Gd	TA	No	GLQ	648	Unf
35	96	60	RL	NaN	9765	Pave	NaN	IR2	...	Gd	PConc	Gd	Gd	No	ALQ	310	Unf
96	97	20	RL	78.0	10264	Pave	NaN	IR1	...	TA	PConc	Gd	TA	Av	ALQ	1162	Unf
97	98	20	RL	73.0	10921	Pave	NaN	Reg	...	TA	CBlock	TA	TA	No	Rec	520	Unf
98	99	30	RL	85.0	10625	Pave	NaN	Reg	...	TA	BrkTil	TA	TA	No	ALQ	108	Unf

[99 rows x 36 columns]

NUMBER OF NULL VALUES IN EACH COLUMN AFTER UPDATE

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
BsmtExposure	0
BsmtFinType1	0
BsmtFinType2	0
dtype:	int64

PS C:\Users\mnaa\Desktop\Cognizance_Club\Cognizance\Task-6>

Question3:

```
PS C:\Users\minaa\Desktop\Cognizance_Club\Cognizance\Task-6> python -u "c:\Users\minaa\Desktop\Cognizance_Club\Cognizance\Task-6\Question3.py"
```

```
Most repeated word: python
```

```
Words with six letters are:
```

```
python
```

```
almost
```

```
aspect
```

```
crunch
```

```
pandas
```

```
PS C:\Users\minaa\Desktop\Cognizance_Club\Cognizance\Task-6>
```