EDS THEORY ACTIVITY 1

NAME: BHAKTI KHANZODE

DIVISION: CS1

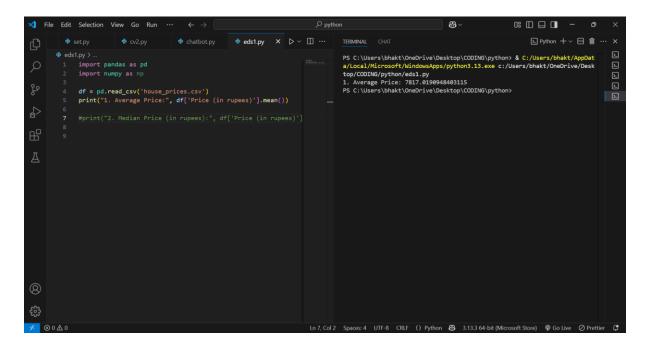
ROLL NO.: CS1-68

PRN: 202401040046

DATASET: HOUSE PRICE

PROBLEM STATEMENT:

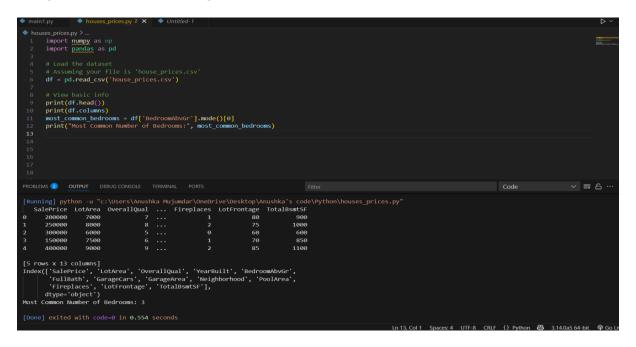
1. Average house price



2. Find the median lot area.

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3.Find the maximum living area (GrLivArea) of the houses.



4.Find the minimum number of bedrooms.

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import numpy as np |

import numpy your file is 'house prices.csv' |

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```

5. How many houses have more than 4 bedrooms?

6.Find the standard deviation of house sale prices.

7. Find the correlation between garage area and sale price.

8. Find the number of houses without a garage.

9.Group houses by number of full bathrooms and calculate the average sale price.

10. How many unique neighborhoods are there?

11. Find the average sale price for each neighborhood.

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        ♦ united-1

        ♦ houses_pricespy > ...
        6

        5
        # Assiming your File is nouse_prices.csv')

        7
        8

        8
        View basic info

        9
        print(df.head())

        13
        print(awg_price_nsighborhood)

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        print(awg_price_nsighborhood)

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        print(awg_price_nsighborhood)

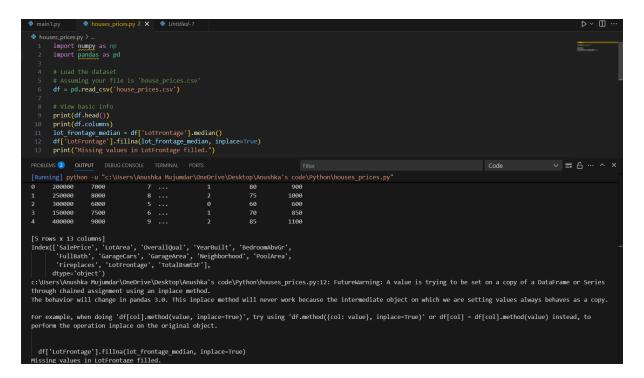
        12
        print(awg_price_nsighborhood)

        13
        print(awg_price_nsighborhood)

        14
        print(awg_price_nsighborhood)

        15
```

12.Fill missing values in LotFrontage with the column's median value.



13. How many houses have a swimming pool?

14. What is the skewness of the SalePrice?

15. Find the house with the largest total basement area (TotalBsmtSF).

16. Find the average sale price for houses with and without fireplaces.

```
houses_prices.py> ...

houses_prices.py> ...

import numpy as np

import pandas as pd

import pandas

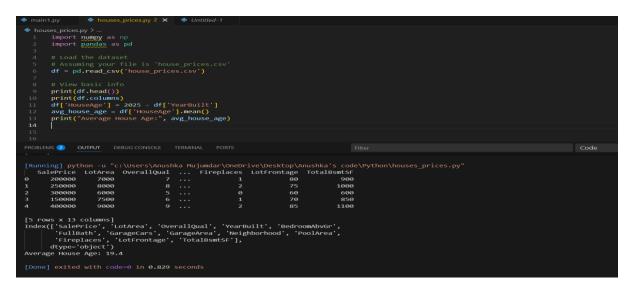
import pandas as pd

import pandas as pd

import pandas as pd

import panda
```

17. Create a new column for the house age and find the average age.



18. How many houses are newly built (after 2015)?

19. Group houses by overall quality (OverallQual) and find maximum sale price in each group.

```
houses_prices.py > ...

houses_prices.py > ...

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20. Find outliers in SalePrice using the IQR method.