**Summary**

* Analyzing a real estate dataset with 5,000 entries to understand the factors that influence house prices.
* The importance of the project is to Insights from this analysis will support accurate property pricing and informed decision-making in the real estate market.
* The task has done are Data Cleaning**-** Ensure completeness and accuracy by handling missing values and converting data types and **EDA-**Uncover patterns and relationships through visualizations to inform the modeling process.
* Utilized Python and Pandas Library to construct a Data Frame for data processing.
* Utilized Matplot library and seaborn for data visualization
* Bar Chart: Used for categorical comparisons to identify trends across different groups (e.g., number of bedrooms).
* Box Plot: Chosen to show data distribution and outliers across categories, highlighting variability and potential anomalies.
* Histogram: Selected to visualize the frequency distribution of a continuous variable, identifying central tendencies and skewness.
* Heatmap: Used to display correlations between features, guiding feature selection by showing strong relationships.
* Pair Plot: Provides a multi-dimensional view of relationships between features, revealing complex interactions and patterns.
* These visualizations were chosen because they effectively convey the most important aspects of the data, enabling a deeper understanding of the relationships, distributions, and potential issues that could impact the modelling pro**cess.**