

# Predicting house price in machine learning

AI

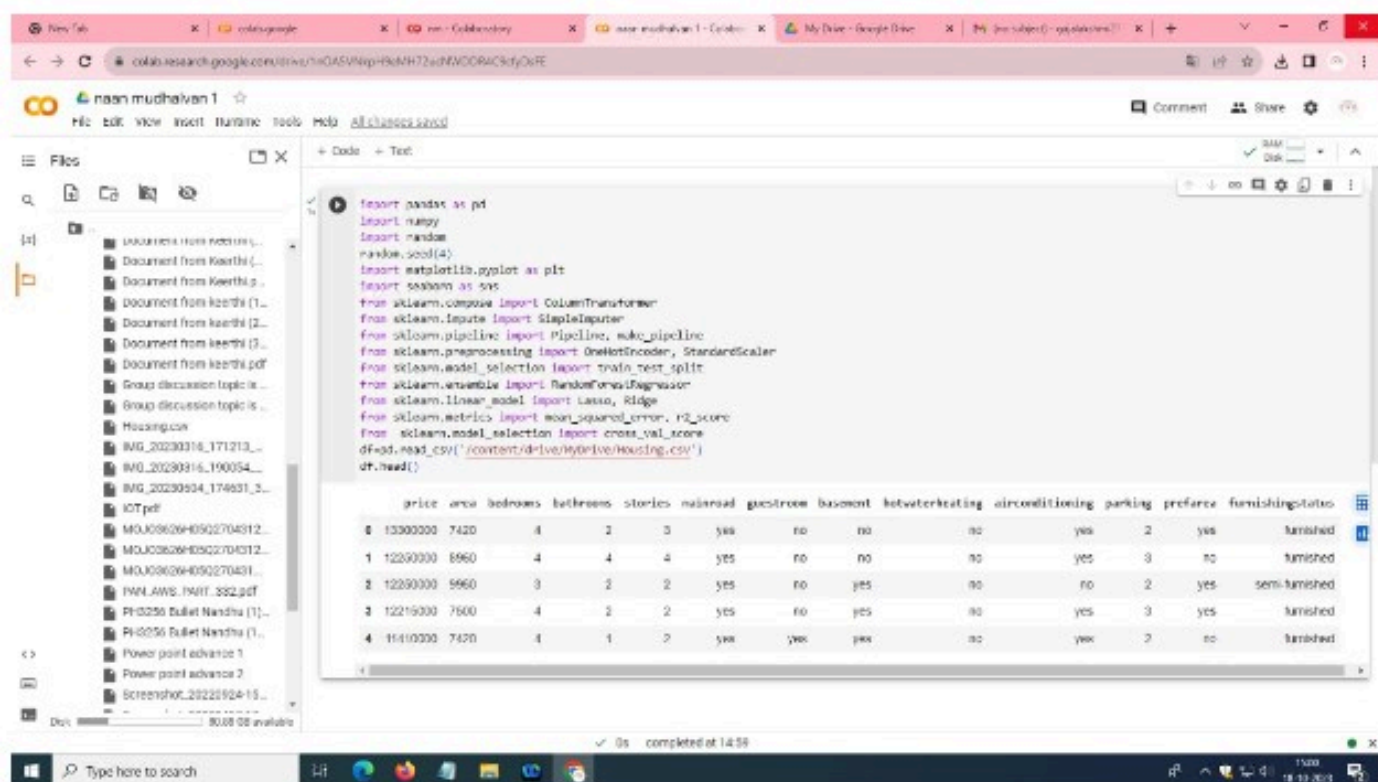
## Program Dataset:

```
Import pandas as pd
import numpy
import random
random.seed(4)
import matplotlib.pyplot as plt
import seaborn as sns
from sklearn.compose import ColumnTransformer
from sklearn.impute import SimpleImputer
from sklearn.pipeline import Pipeline, make_pipeline
from sklearn.preprocessing import OneHotEncoder, StandardScaler
from sklearn.model_selection import train_test_split
from sklearn.ensemble import RandomForestRegressor
from sklearn.linear_model import Lasso, Ridge
from sklearn.model_selection import cross_val_score
from sklearn.metrics import mean_squared_error, r2_score
df = pd.read_csv('/content/drive/MyDrive/Housing.csv')
df.head()
```

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The screenshot shows a Google Colab notebook with the following code and output:

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```

	price	area	bedrooms	bathrooms	stories	mainroad	guestroom	basement	hotwaterheating	airconditioning	parking	prefarea	furnishingstatus
0	13300000	7420	4	2	3	yes	no	no	no	yes	2	yes	furnished
1	12200000	6960	4	4	4	yes	no	no	no	yes	3	no	furnished
2	12200000	5960	3	2	2	yes	no	yes	no	no	2	yes	semi-furnished
3	12210000	7600	4	2	2	yes	no	yes	no	yes	3	yes	furnished
4	11410000	7420	4	1	2	yes	yes	yes	no	yes	2	no	handmade