Exercise 39:

## **Markdown in Jupyter Notebook, Kaggle, and Google Colab**

All three platforms support Markdown to create well-structured, readable documentation. Here’s how to use Markdown in each:

### ****1. Jupyter Notebook****

* Create a Markdown cell by selecting "Markdown" from the cell type dropdown (located at the toolbar).
* Type your Markdown content.
* To render it, run the cell (Shift + Enter).

### ****2. Kaggle****

* In Kaggle Notebooks, you can add Markdown cells in the same way as in Jupyter.
* Simply insert a new cell, choose "Markdown" as the cell type, and write your Markdown code.
* Run the cell to render the formatted text.

### ****3. Google Colab****

* In Google Colab, click the "+" icon to add a text cell, and then use Markdown syntax within the cell.
* Run the cell to render the Markdown.

## **Sample Markdown for a Project**

Here is a simple project documentation template written in Markdown:

# Machine Learning Project: Predicting House Prices  
  
## Introduction  
In this project, we will use a dataset from Kaggle to predict house prices based on various features.  
  
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## Data Description  
The dataset contains the following columns:  
- `Price`: The price of the house.  
- `Bedrooms`: Number of bedrooms.  
- `Bathrooms`: Number of bathrooms.  
- `SquareFootage`: The size of the house in square feet.  
  
## Data Preprocessing  
- Handle missing values using mean imputation.  
- Normalize the `SquareFootage` column.  
  
## Model Training  
We will use a Random Forest model for prediction.  
  
```python  
from sklearn.ensemble import RandomForestRegressor  
model = RandomForestRegressor()  
model.fit(X\_train, y\_train)

## Results

The model achieved an accuracy of **95%** on the test set.

| **Model** | **Accuracy** |
| --- | --- |
| Random Forest | 95% |
| Support Vector Machine | 90% |