Data Science Final Project

Introduction
#This notebook is created as part of the final project for the Data Science course.
#It covers various aspects of data science including languages, libraries, tools, and basic arithmetic operations.

Data Science Languages
The following are popular languages used in Data Science:
- Python
- R
- SQL
- Julia
- Java
- Scala
- MATLAB

Data Science Libraries
Some of the commonly used libraries in Data Science are:
- Pandas
- NumPy
- Matplotlib
- Scikit-learn
- TensorFlow
- Keras
- PyTorch
- ggplot2 (for R)

Data Science Tools
Tool	Description
Jupyter	Interactive notebook environment
RStudio	IDE for R
Apache Hadoop	Framework for distributed storage and processing of large data sets
TensorFlow	Open-source machine learning framework
Apache Spark	Unified analytics engine for big data processing

Arithmetic Expression Examples
Below are examples of simple arithmetic expressions such as addition and multiplication.

```
# Multiplication and Addition
a = 5
b = 4

# Multiplication
multiplication = a * b
print(f"Multiplication of {a} and {b} is {multiplication}")

# Addition
addition = a + b
print(f"Addition of {a} and {b} is {addition}")
```

```
Multiplication of 5 and 4 is 20
Addition of 5 and 4 is 9
```

```
# Conversion from minutes to hours
minutes = 150
hours = minutes / 60
print(f"{minutes} minutes is equal to {hours} hours")
```

```
150 minutes is equal to 2.5 hours
```

Objectives
- List popular data science languages
- List commonly used data science libraries

- Create a table of data science tools
- Demonstrate arithmetic operations
- Convert time from minutes to hours

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GitHub Link
The notebook can be accessed . "https://github.com/chatakondusuryanarayana/COURSERA/blob/main/Full%20project.ipynb%20-%20Colab.pdf"