Data Science Final Assignment

Introduction

In this notebook, I will showcase various aspects of data science including languages, libraries, tools, and some basic arithmetic operations. This notebook also demonstrates basic data science skills using Jupyterlite.

Data Science Languages

Here are some popular languages used in data science:

1. Python
2. R
3. SQL
4. Java
5. Julia

Data Science Libraries

Some common libraries used in data science include:

1. Pandas
2. NumPy
3. Matplotlib
4. Seaborn
5. Scikit-learn
6. TensorFlow
7. PyTorch

Data Science Tools

Tool	Type	Purpose
JupyterLite	Notebook	Data science environment
GitHub	Repository	Version control and sharing
TensorFlow	Library	Machine learning framework
Pandas	Library	Data manipulation and analysis
Visual Studio	IDE	Integrated development environment

Arithmetic Expression Examples

In this section, we will demonstrate some basic arithmetic expressions in Python.

```
In [2]:   1  # Arithmetic Operations
          2  a = 5
          3  b = 10
          4  result_multiply = a * b
          5  result_add = a + b
          6
          7  result_multiply, result_add
```

Out[2]: (50, 15)

```
In [3]:   1  # Conversion of Minutes to Hours
          2  def minutes_to_hours(minutes):
          3      hours = minutes / 60
          4      return hours
          5
          6  minutes = 120
          7  minutes_to_hours(minutes)
          8
```

Out[3]: 2.0

Objectives

The objectives of this notebook are:

1. To demonstrate how to list data science languages.
2. To introduce data science libraries and tools.
3. To show basic arithmetic operations.
4. To provide a practical example of minute-to-hour conversion.

Author

This notebook was created by Krishna V Kn.

GitHub Link

You can view the notebook on GitHub: https://github.com/imkeech/Tools-for-Data-Science-Assignment/ (https://github.com/imkeech/Tools-for-Data-Science-Assignment/)

```
In [ ]:   1
```