

## **Exercise 2**

**Create a markdown cell with the title of the notebook.**

markdown

# Data Science Notebook

## **Exercise 3**

**Create a markdown cell for an introduction.**

markdown

## Introduction

This notebook contains exercises and examples related to data science concepts and practices.

## **Exercise 4**

**Create a markdown cell to list data science languages.**

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## Data Science Languages

- Python

- R

- SQL

- Julia

- Scala

## **Exercise 5**

**Create a markdown cell to list data science libraries.**

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## Data Science Libraries

- Pandas

- NumPy

- Matplotlib

- SciPy

- TensorFlow

- Keras

- Scikit-learn

- ggplot2 (R)

- dplyr (R)

### Exercise 6

Create a markdown cell with a table of Data Science tools.

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## Data Science Tools

Tool	Description
Jupyter	Interactive computing environment
RStudio	Integrated Development Environment for R
Apache Spark	Cluster-computing framework
TensorFlow	Machine learning library
SQL	Structured Query Language for databases

### Exercise 7

Create a markdown cell introducing arithmetic expression examples.

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## Arithmetic Expression Examples

Below are examples of basic arithmetic operations.

### Exercise 8

Create a code cell to multiply and add numbers.

python

# Code to multiply and add numbers

a = 5

b = 3

multiplication = a \* b

addition = a + b

multiplication, addition

### Exercise 9

Create a code cell to convert minutes to hours.

python

# Code to convert minutes to hours

minutes = 120

hours = minutes / 60

hours

### **Exercise 10**

**Insert a markdown cell to list Objectives.**

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## Objectives

- Understand basic data science concepts
- Learn how to use different data science tools
- Practice arithmetic expressions and conversions
- Share the notebook on GitHub

### **Exercise 11**

**Create a markdown cell to indicate the Author's name.**

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## Author

John Doe

### **Exercise 12**

**Share your notebook through GitHub.**

1. Save your Jupyter Notebook.
2. Open your GitHub account.
3. Create a new repository or navigate to an existing repository.
4. Upload your notebook file (.ipynb) to the repository.
5. Commit the changes.

### **Exercise 13**

**Take a screenshot of the first page of the notebook.**

- Open your Jupyter Notebook.
- Take a screenshot of the first page, including the title and introduction.