Data Science Tools and Ecosystem

Data Science Tools and Ecosystem are summarized:-

1.Data Collection and Ingestion: Scrapy, Apache NiFi, Postman 2.Data Storage: MySQL, MongoDB, Amazon Redshift 3.Data Analysis and Visualization: Pandas, Matplotlib, Tableau 4.Machine Learning and AI: Scikit-learn, TensorFlow, PyTorch

Some of the popular languages that Data Scientists use are:

1. Python
2. R
3. SQL
4. Java
5. Julia
6. Scala
7. MATLAB
8. SAS

Data Science Tools

`1. Jupyter Notebook` `2. RStudio` `3. Apache Spark` `4. Tableau` `5. TensorFlow`

Below are a few examples of evaluating arithmetic expressions in Python

In [5]:
```python
a=3
b=4
c=a*b+5
print(c)
```

17

In [16]:
```python
minutes = 200
hours = minutes // 60
Hour1 = minutes % 60 #This will convert 200 minutes to hours by diving by 60.
print(f"{hours} hour and {Hour1} minutes")
```

3 hour and 20 minutes

Notebook Covered

Data Science Tools

- Jupyter Notebook
- RStudio
- Apache Spark

- NumPy
- Pandas

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```
In [ ]:
```