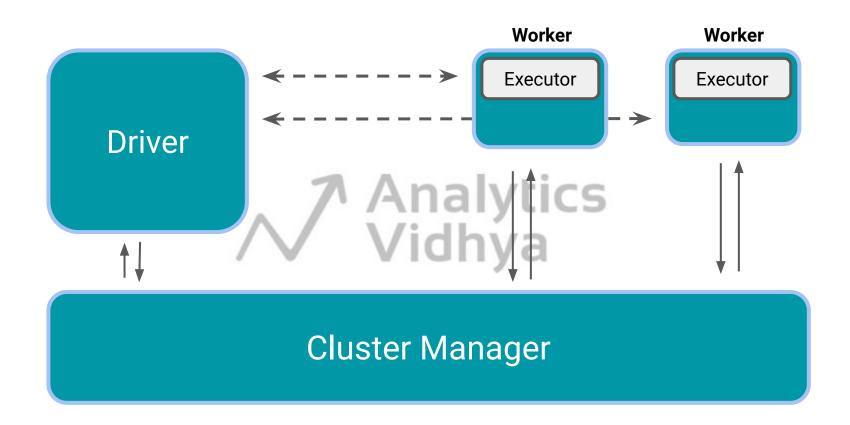
## Deep Dive into Apache Spark

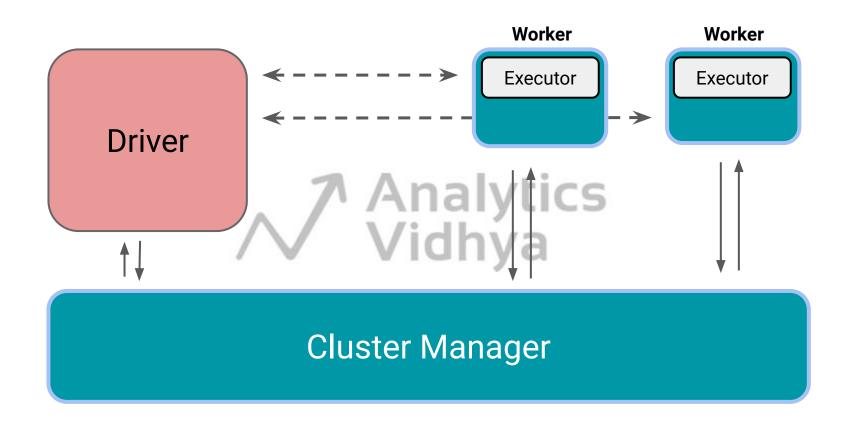


# Spark Architecture 5

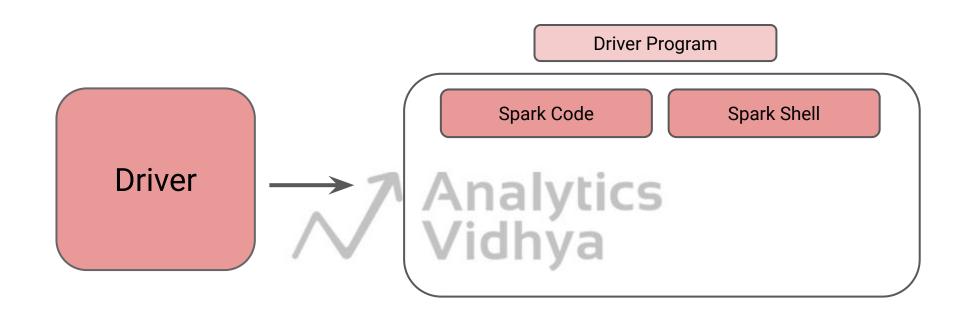




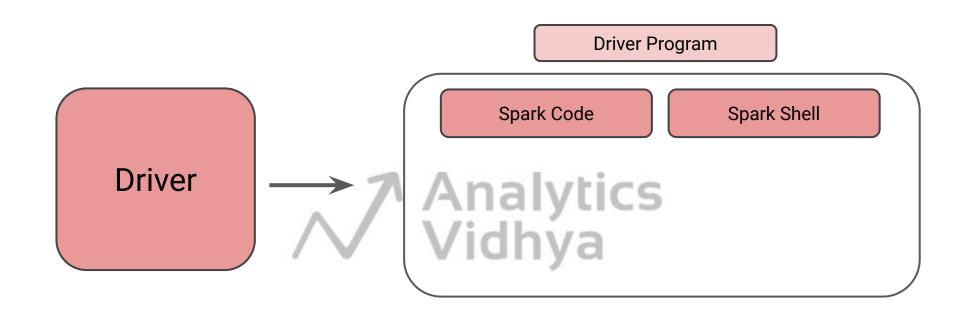














**Driver Program** Spark Code Spark Shell **Spark Context** Vidhya



### Spark Code vs Spark Shell



#### Spark Code

- Run as independent programs
- Example: Python, Scala or Java code and jobs such as ETL processing, streaming

VS.

### Spark Shell

- Allows interactive exploration and manipulation of data
- Example: REPL using Python or Scala



### Spark Code

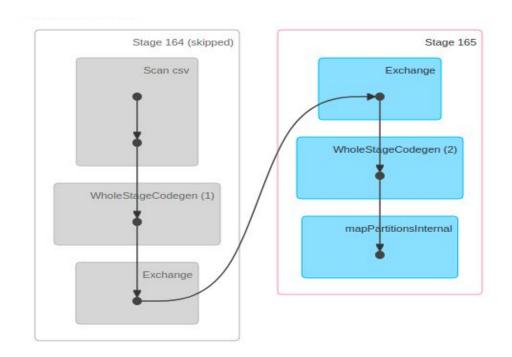
#### Spark Shell



**Driver Program** Spark Code Spark Shell **Spark Context** Directed Acyclic Graph (DAGs)



## **DAG**





#### **Driver Program**

Spark Code Spark Shell

**Spark Context** 

Directed Acyclic Graph (DAGs)

Convert User Program into Tasks



