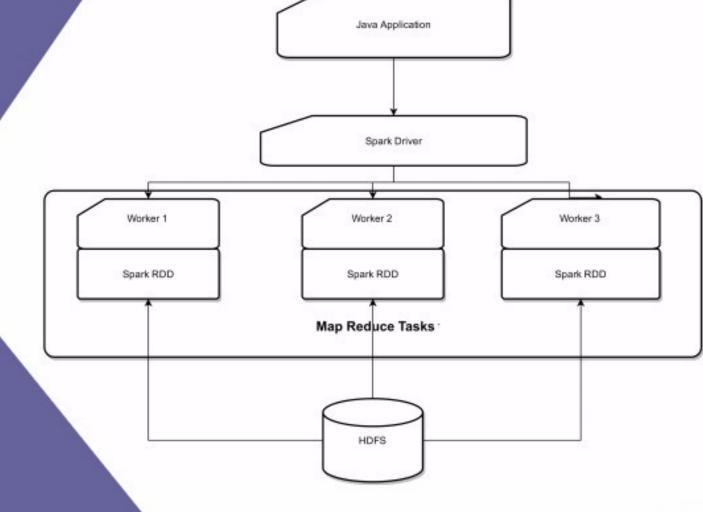
FRAMEWORK



TIME -

CPU USAGE →

MEMORY ->



Learning Outcomes

- ✓ Developed Applications using Distributed Frameworks
- ✓ Used Java and Scala to develop Spark and Geospark applications
- √ CPU utilization, Execution time decreases with Indexing
- √ Memory usage increases with Indexing
- ✓ Naive spatial join query with Cartesian Product Algorithm is inefficient
- √ Worked with spatio-temporal NYC Yellow cab
 data for Hotspot Analysis
- ✓ Used Map-Reduce and Getis-Ord Statistics to find the Hot Cells

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