

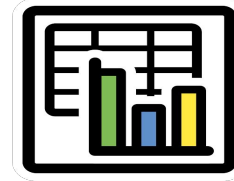
Components of Apache Hadoop



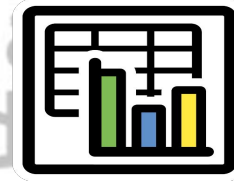
HDFS



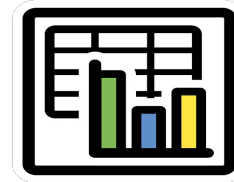
Deer, Bear, River
Car, Car, River
Deer, Car, Bear



Deer, Bear, River



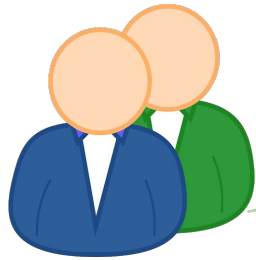
Car, Car, River



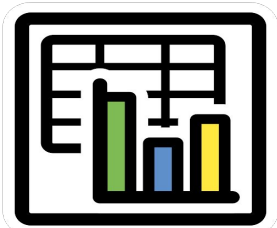
Deer, Car, Bear







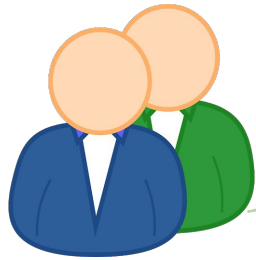
I want to process
the below file



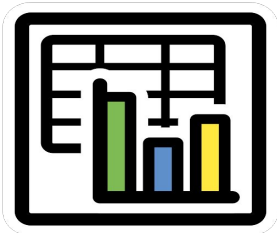
Deer, Bear, River
Car, Car, River
Deer, Car, Bear

An
Vid



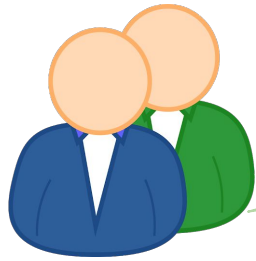


I want to process
the below file



Deer, Bear, River
Car, Car, River
Deer, Car, Bear





I want to process
the below file



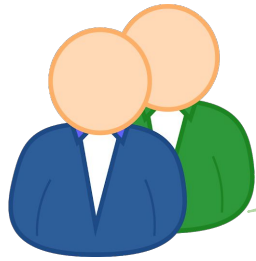
Deer, Bear, River
Car, Car, River
Deer, Car, Bear



Are you available?

Busy, right now





I want to process
the below file



Deer, Bear, River
Car, Car, River
Deer, Car, Bear



Are you available?

Yes

Yes





MapReduce

Input

Deer Bear River
Car Car River
Deer Car Bear



Input

Splitting

Deer Bear River

Car Car River

Deer Car Bear

Deer Bear River
Car Car River
Deer Car Bear

Analytics
Vidhya

Input

Splitting

Mapping

Deer Bear River
Car Car River
Deer Car Bear

Deer Bear River

Car Car River

Deer Car Bear

Deer, 1
Bear, 1
River, 1

Car, 1
Car, 1
River, 1

Deer, 1
Car, 1
Bear, 1

Input

Splitting

Mapping

Shuffling

Deer Bear River
Car Car River
Deer Car Bear

Deer Bear River

Car Car River

Deer Car Bear

Deer, 1
Bear, 1
River, 1

Car, 1
Car, 1
River, 1

Deer, 1
Car, 1
Bear, 1

Bear, 1
Bear, 1

Car, 1
Car, 1
Car, 1

Deer, 1
Deer, 1

River, 1
River, 1

Input

Splitting

Mapping

Shuffling

Reducing

Deer Bear River
Car Car River
Dear Car Bear

Deer Bear River

Car Car River

Deer Car Bear

Deer, 1
Bear, 1
River, 1

Car, 1
Car, 1
River, 1

Deer, 1
Car, 1
Bear, 1

Bear, 1
Bear, 1

Car, 1
Car, 1
Car, 1

Deer, 1
Deer, 1

River, 1
River, 1

Bear, 2

Car, 3

Deer, 2

River, 2

Input

Splitting

Mapping

Shuffling

Reducing

Final Result

Deer Bear River
Car Car River
Dear Car Bear

Deer Bear River

Car Car River

Deer Car Bear

Deer, 1
Bear, 1
River, 1

Car, 1
Car, 1
River, 1

Deer, 1
Car, 1
Bear, 1

Bear, 1
Bear, 1

Car, 1
Car, 1
Car, 1

Deer, 1
Deer, 1

River, 1
River, 1

Bear, 2

Car, 3

Deer, 2

River, 2

Bear, 2
Car, 3
Deer, 2
River, 2



Thank You !!