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MapReduce Advance WORKOUTS

Open Eclipse

1. Create Java Project Inceptez
2. Create Package inceptez.training.mr
3. Create Class Trending
4. Import dependent jars
5. Create jar (file-->export-->java-->jarfile)
6. Create the following hdfs dirs

```
cd /home/hduser/mrdata/  
hadoop fs -mkdir mrinput  
hadoop fs -copyFromLocal courses.log /user/hduser/mrinput/  
hadoop fs -copyFromLocal students.log /user/hduser/mrinput/
```

Job Submission:

Trending Technologies

Create jar (file-->export-->java-->jarfile)

```
hadoop jar Trending.jar inceptez.training.mr.Trending /user/hduser/mrinput/courses.log  
/user/hduser/mrTrending
```

```
hadoop fs -ls /user/hduser/mrTrending
```

Combiner with more reducers with Sequence output format

hadoop jar TrendingOptions.jar inceptez.training.mr.TrendingOptions /user/hduser/mrinput/courses.log
/user/hduser/TrendingOptions

Identity Reducer

hadoop jar identityred.jar inceptez.training.mr.identityred /user/hduser/mrinput/courses.log
/user/hduser/identityred

```
hadoop fs -ls /user/hduser/identityred
```

Custom Partitioner

```
hadoop jar TrendingPartitioner.jar inceptez.training.mr.TrendingPartitioner  
/user/hduser/mrinput/students.log /user/hduser/TrendingPartitioner
```

```
hadoop fs -ls /user/hduser/TrendingPartitioner  
hadoop fs -cat /user/hduser/TrendingPartitioner/*
```

INCEPTEZ TECHNOLOGIES