

Creating and Running a MapReduce Job

- **Write the Mapper and Reducer classes**
- **Write a Driver class that configures the job and submits it to the cluster**
 - Driver classes are covered in the “Writing MapReduce” chapter

- **Compile the Mapper, Reducer, and Driver classes**

```
$ javac -classpath `hadoop classpath` MyMapper.java  
MyReducer.java MyDriver.java
```

- **Create a jar file with the Mapper, Reducer, and Driver classes**

```
$ jar cf MyMR.jar MyMapper.class MyReducer.class  
MyDriver.class
```

- **Run the `hadoop jar` command to submit the job to the Hadoop cluster**

```
$ hadoop jar MyMR.jar MyDriver in_file out_dir
```