HW05

1, 3. Yarn Setup (Starts successfully)

```
samiul@node-master:~$ start-all.sh
This script is Deprecated. Instead use start-dfs.sh and start-yarn.sh
Starting namenodes on [node-master]
node-master: starting namenode, logging to /opt/hadoop-2.10.2/logs/hadoop-samiul-namenode-node-master.out
node2: starting datanode, logging to /opt/hadoop-2.10.2/logs/hadoop-samiul-datanode-node2.out
node1: starting datanode, logging to /opt/hadoop-2.10.2/logs/hadoop-samiul-datanode-node1.out
Starting secondary namenodes [0.0.0.0]
0.0.0.0: starting secondarynamenode, logging to /opt/hadoop-2.10.2/logs/hadoop-samiul-secondarynamenode-node-mas
ter.out
starting yarn daemons
starting resourcemanager, logging to /opt/hadoop-2.10.2/logs/yarn-samiul-resourcemanager-node-master.out
node2: starting nodemanager, logging to /opt/hadoop-2.10.2/logs/yarn-samiul-nodemanager-node2.out
node1: starting nodemanager, logging to /opt/hadoop-2.10.2/logs/yarn-samiul-nodemanager-node1.out
samiul@node-master:~$ yarn jar /opt/hadoop-2.7.7/share/hadoop/mapreduce/hadoop-mapreduce-examples-2.7.7.jar pi 1
6 1000
Number of Maps  = 16
Samples per Map = 1000
Wrote input for Map #0
Wrote input for Map #1
Wrote input for Map #2
Wrote input for Map #3
Wrote input for Map #4
Wrote input for Map #5
Wrote input for Map #6
Wrote input for Map #7
```

Yarn Configaration - 1. Mapred Site

```
<?xml-stylesheet type="text/xsl" href="configuration.xsl"?>
<!--
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-->

<!-- Put site-specific property overrides in this file. -->

<configuration>
    <!-- mapreduce framework is yarn -->
   <property>
      <name>mapreduce.framework.name</name>
      <value>yarn</value>
   </property>
</configuration>
```

2. Yarn Site

```
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-->

<configuration>
    <!--disable acl permission check-->
   <property>
      <name>yarn.acl.enable</name>
      <value>0</value>
   </property>
    <!-- which node is resource manager -->
   <property>
      <name>yarn.resourcemanager.hostname</name>
      <value>node-master</value>
   </property>
    <!-- redducer programming model -->
   <property>
      <name>yarn.nodemanager.aux-services</name>
      <value>mapreduce_shuffle</value>
   </property>
</configuration>
```

4. Yarn Webpage

5. Test bigdata program

6. Kill Yarn Application

```
samiul@node-master:~$ yarn application -kill application_1740921799579_0001
25/03/02 21:53:18 INFO client.RMProxy: Connecting to ResourceManager at node-master/192.168.120.129:8032
Application application_1740921799579_0001 has already finished
samiul@node-master:~$ clear
samiul@node-master:~$
```

Kill confirmation

```
samiul@node-master:~$ yarn application -list
25/03/02 21:55:31 INFO client.RMProxy: Connecting to ResourceManager at node-master/192.168.120.129:8032
Total number of applications (application-types: [], states: [SUBMITTED, ACCEPTED, RUNNING] and tags: []):0
                Application-Id      Application-Name        Application-Type          User       Queue
           State                Final-State       Progress                        Tracking-URL
samiul@node-master:~$
```