```java
import java.io.IOException;
import org.apache.hadoop.fs.Path;
import org.apache.hadoop.conf.*;
import org.apache.hadoop.io.*;
import org.apache.hadoop.mapreduce.*;
import org.apache.hadoop.mapreduce.lib.input.FileInputFormat;
import org.apache.hadoop.mapreduce.lib.input.TextInputFormat;
import org.apache.hadoop.mapreduce.lib.output.FileOutputFormat;
import org.apache.hadoop.mapreduce.lib.output.TextOutputFormat;
public class Female_survived {
public static class Map extends Mapper<LongWritable, Text, Text, IntWritable> {
private Text people = new Text();
private final static IntWritable one = new IntWritable(1);
public void map(LongWritable key, Text value, Context context ) throws IOException
String line = value.toString();
String str[]=line.split(",");
if(str.length>6){
String survived=str[1]+" "+str[4]+" "+str[5];
people.set(survived);
context.write(people, one);
}
}
}
public static class Reduce extends Reducer<Text,IntWritable, Text, IntWritable> {
public void reduce(Text key, Iterable<IntWritable> values, Context context)
throws IOException, InterruptedException {
int sum = 0;
for (IntWritable val : values) {
sum += val.get();
}
context.write(key, new IntWritable(sum));
}
```
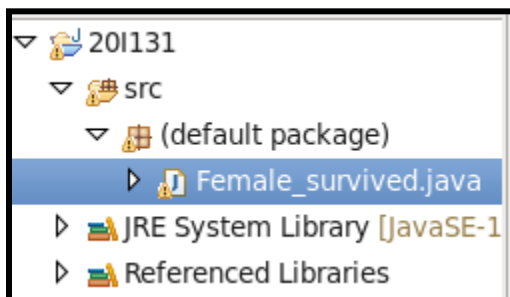
Creating JAR File:

```
▽ 20I131
   ▽ src
      ▽ (default package)
         ▷ Female_survived.java
   ▷ JRE System Library [JavaSE-1
   ▷ Referenced Libraries
```

Contents of directory /20I131-titanic/Titanic_analysis

Goto : /20I131-titanic/Titanic_analy [go]

Go to parent directory

Name	Type	Size	Replication	Block Size	Modification Time	Permission	Owner	Group
_SUCCESS	file	0 B	1	128 MB	2022-10-08 13:07	rw-r--r--	edureka	supergroup
part-r-00000	file	2.79 KB	1	128 MB	2022-10-08 13:07	rw-r--r--	edureka	supergroup

Go back to DFS home

Local logs

Log directory

Hadoop, 2022.

20I131_Kevin D

Dataset:

File: **/20I131-titanic/TitanicData.txt**

Goto : `/20I131-titanic` [go]

Go back to dir listing
Advanced view/download options

View Next chunk

```
1,0,3,"Braund Mr. Owen Harris",male,22,1,0,A/5 21171,7.25,,S,
2,1,1,"Cumings Mrs. John Bradley (Florence Briggs Thayer)",female,38,1,0,PC 17599,71.2833,C85,C,
3,1,3,"Heikkinen Miss. Laina",female,26,0,0,STON/O2. 3101282,7.925,,S,
4,1,1,"Futrelle Mrs. Jacques Heath (Lily May Peel)",female,35,1,0,113803,53.1,C123,S,
5,0,3,"Allen Mr. William Henry",male,35,0,0,373450,8.05,,S,
6,0,3,"Moran Mr. James",male,,0,0,330877,8.4583,,Q,
7,0,1,"McCarthy Mr. Timothy J",male,54,0,0,17463,51.8625,E46,S,
8,0,3,"Palsson Master. Gosta Leonard",male,2,3,1,349909,21.075,,S,
9,1,3,"Johnson Mrs. Oscar W (Elisabeth Vilhelmina Berg)",female,27,0,2,347742,11.1333,,S,
10,1,2,"Nasser Mrs. Nicholas (Adele Achem)",female,14,1,0,237736,30.0708,,C,
11,1,3,"Sandstrom Miss. Marguerite Rut",female,4,1,1,PP 9549,16.7,G6,S,
12,1,1,"Bonnell Miss. Elizabeth",female,58,0,0,113783,26.55,C103,S,
13,0,3,"Saundercock Mr. William Henry",male,20,0,0,A/5. 2151,8.05,,S,
14,0,3,"Andersson Mr. Anders Johan",male,39,1,5,347082,31.275,,S,
15,0,3,"Vestrom Miss. Hulda Amanda Adolfina",female,14,0,0,350406,7.8542,,S,
16,1,2,"Hewlett Mrs. (Mary D Kingcome) ",female,55,0,0,248706,16,,S,
```

CREATING A DIRECTORY:

Contents of directory **/20I131-titanic/Titanic_analysis**

Goto : `/20I131-titanic/Titanic_analy` [go]

Go to parent directory

Name	Type	Size	Replication	Block Size	Modification Time	Permission	Owner	Group
_SUCCESS	file	0 B	1	128 MB	2022-10-08 13:07	rw-r--r--	edureka	supergroup
part-r-00000	file	2.79 KB	1	128 MB	2022-10-08 13:07	rw-r--r--	edureka	supergroup

Go back to DFS home

Local logs

Log directory

Hadoop, 2022.

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COMMAND:

hadoop fs -mkdir /20I131-titanic

File into Hadoop Environment:

hadoop fs -copyFromLocal TitanicData.txt /20I131-titanic

Name	Type	Size	Replication	Block Size	Modification Time	Permission	Owner	Group
TitanicData.txt	file	59.68 KB	1	128 MB	2022-10-08 13:04	rw-r--r--	edureka	supergroup

Female_survived:

COMMAND:

hadoop jar Ts.jar Female_survived /20I131-titanic/TitanicData.txt /20I131-titanic/Titanic_analysiS

DIRECTORY:

Goto : /20I131-titanic [go]

Go to parent directory

Name	Type	Size	Replication	Block Size	Modification Time	Permission	Owner	Group
TitanicData.txt	file	59.68 KB	1	128 MB	2022-10-08 13:04	rw-r--r--	edureka	supergroup
Titanic_analysis	dir				2022-10-08 13:07	rwxr-xr-x	edureka	supergroup

Contents of directory /20I131-titanic/Titanic_analysis

Goto : /20I131-titanic/Titanic_analy [go]

Go to parent directory

Name	Type	Size	Replication	Block Size	Modification Time	Permission	Owner	Group
_SUCCESS	file	0 B	1	128 MB	2022-10-08 13:07	rw-r--r--	edureka	supergroup
part-r-00000	file	2.79 KB	1	128 MB	2022-10-08 13:07	rw-r--r--	edureka	supergroup

Go back to DFS home

Local logs

Log directory

Hadoop, 2022.

20I131_Kevin D

File: /20I131-titanic/Titanic_analysis/part-r-00000

Goto : `/20I131-titanic/Titanic_analy` [go]

Go back to dir listing
Advanced view/download options

```
0 female       17
0 female 10     1
0 female 11     1
0 female 14     1
0 female 14.5   1
0 female 16     1
0 female 17     1
0 female 18     5
0 female 2      4
0 female 20     2
0 female 21     3
0 female 22     2
0 female 23     1
0 female 24     2
0 female 25     3
0 female 26     2
0 female 27     1
0 female 28     2
```

Contents of directory /20I131-titanic/Titanic_analysis

Goto : `/20I131-titanic/Titanic_analy` [go]

Go to parent directory

Name	Type	Size	Replication	Block Size	Modification Time	Permission	Owner	Group
_SUCCESS	file	0 B	1	128 MB	2022-10-08 13:07	rw-r--r--	edureka	supergroup
part-r-00000	file	2.79 KB	1	128 MB	2022-10-08 13:07	rw-r--r--	edureka	supergroup

Go back to DFS home

Local logs

Log directory

Hadoop, 2022.

20I131_Kevin D