

Stockholm University
DSV dept.
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Big Data with NoSQL

Final report of the first assignment

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Part 1:

Data	Step 0 - Store Data in HDFS	Step 1 - Map	Step 2 - Shuffle and Sort	Step 3 - Reduce

Part 2:

After running Map Reduce given that dataset, we got the following results:
<shape, frequency>

```
circle, 6973
diamond, 10153
pentagon, 25145
square, 12966
star, 4963
triangle, 39800
```

The code we added for implementing Mapper.py and Reducer.py is the following:

Mapper.py line 12:

```
#12     print "%s\t%s" % (word,1)
```

Reducer.py lines 17,34,42:

```
#17     word,count = line.split('\t',1)
#34     print '%s\t%s' % (current_word,current_count)
#42     print '%s\t%s' % (current_word,current_count)
```