For a given Text file, Create a Map Reduce program to sort the content in an alphabetic order listing only top 10 maximum occurrences of words.

Mapper.py

```
import sys
# Read input from STDIN
for line in sys.stdin:
  # Remove leading and trailing whitespace
  line = line.strip()
  # Split the line into words
  words = line.split()
  # Emit the word along with a count of 1
  for word in words:
    print(f"{word}\t1")
Reducer.py
import sys
from collections import defaultdict
word counts = defaultdict(int)
# Read input from STDIN
for line in sys.stdin:
  # Remove leading and trailing whitespace
  line = line.strip()
  # Parse the input we got from mapper.py
  word, count = line.split('\t', 1)
  # Convert count from string to int
  try:
    count = int(count)
```

except ValueError:

```
# Increment word count
word_counts[word] += count

# Sort words alphabetically
sorted_words = sorted(word_counts.items(), key=lambda x: x[0])

# Emit the top 10 words with the highest counts
for word, count in sorted(sorted_words, key=lambda x: -x[1])[:10]:
    print(f"{word}\t{count}")
```