```
ex1.
```

```
Use cat and wc -I to counting the number of rows
nlines=$(cat $filename | wc -l)
Use while to loop
while read line; do
done < $filename
Use wc -w to counting the number of words
nwords=$(echo $line | wc -w)
Use -gt to comparing
if [ $nwords -gt $max ]; then
    max=$nwords
fi
ex2.
1&2.Use awk to skip the first line and use sort -k (num) to sort by column
awk 'NR>1' $orgfile | sort -n -k 1 $orgfile >$sortfile_p
3.
Use awk to get every line's first word.
p=$(awk -F ' ' '{print $1}' $filename)
Use if-test to get the number of the input word.
for line in $p; do
    if [ $line = $s ]; then
         let num=num+1
    fi
done
4.
Use unip to deduplication and use tr to capitalize
cat $orgfile | awk -F " " '{print $1}' | sort | uniq | tr '[a-z]' '[A-Z]' > $outfile
```

## ex3.

## Core code: