

BASH SCRIPTING HANDOUT

unique.sh (fix uniq function)

```
#!/bin/bash

if [[ $# -lt 1 || ! -f $1 ]]
then
    echo "please enter file name"
    exit 1
fi
sort $1 | uniq
exit 0
```

count unique words (without bash script)

```
cat file.txt | tr ' '\n' | sort | uniq | wc -l
```

most frequent word (with script)

```
#!/bin/bash

if [[ $# -lt 1 || ! -f $1 ]]
then
    echo "please enter file name"
    exit 1
fi

words=$( cat $1 | tr ' ' '\n' )
uniquewords=$( cat $1 | tr ' ' '\n' | sort | uniq )

let maxcount=0
maxword=""

for x in ${uniquewords[@]}
do
    let count=0
    for y in ${words[@]}
    do
        if [ $x == $y ]
        then
            let count+=1
        fi
    done
    if [ $count -gt $maxcount ]
    then
        let maxcount=$count
        maxword=$x
    fi
done

echo "$maxword $maxcount"
exit 0
```