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1) Shell script to count numbers of vowels in a sentence

```
echo "Enter the string:"
read str
l = 'expr length $str'
vowel = 0
while [ $l -gt 0 ]
do
    temp = 'expr $str | cut -c $l'
    case $temp in
        a|A) vowel = 'expr $vowel + 1' ;;
        e|E) vowel = 'expr $vowel + 1' ;;
        i|I) vowel = 'expr $vowel + 1' ;;
        o|O) vowel = 'expr $vowel + 1' ;;
        u|U) vowel = 'expr $vowel + 1' ;;
        esac
    l = 'expr $l - 1'
done
echo "The string has $vowel vowels"
```

Output: Enter the string:
asd

The string has 1 vowels.

2) Shell script to find number of lines, words, characters in a file.

```
echo "Enter filename:"
read file
if [ -f $file ]
then
    echo "file exists"
    echo -n "Number of lines:"
    wc -l $file
    echo -n "number of characters:"
    wc -c $file
```

```
echo -n "Number of words: "  
wc -w $file.  
else  
echo "file does not exists"
```

fi

output: enter filename: vowel.sh.
file exists.

Number of lines: 18 vowel.sh.

Number of lines: ~~20~~⁶⁸ vowel.sh

Number of characters: ~~361~~ vowel.sh.

✓
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