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eg16-wordfreq.awk

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```
#!/bin/awk -f
{
    for (i = 1; i <= NF; i++)
        count[$i]++;
}
END {
    for (word in count)
        printf ("%10d %10s\n", count[word], word)
}
```

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eg17-mbox.awk

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```
#!/bin/awk -f
/^From / {
    at = index($2, "@")
    domain = substr($2, at + 1, length($2)-at);
    count[domain] = count[domain] + 1
}
END {
    for (j in count) {
        printf ("%8d %s\n", count[j], j)
    }
}
```

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eg18-googlewar.sh

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```
#!/bin/bash
url=http://www.google.com/search
pattern='&nbsp;Web&nbsp;Results 1 - 10 '
var1=$(lynx -source ${url}?q=$(echo $1 | sed 's/+/g') \
| sed 's/<[^>]*>/g' | grep "$pattern" | awk '{print $7}')
var2=$(lynx -source ${url}?q=$(echo $2 | sed 's/+/g') \
| sed 's/<[^>]*>/g' | grep "$pattern" | awk '{print $7}')
echo "$1 $var1"
echo "$2 $var2"
value1=$(echo $var1 | sed 's/,/g')
value2=$(echo $var2 | sed 's/,/g')
if [ $value1 -gt $value2 ]; then
    echo $1 wins
else
    echo $2 wins
fi
```

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eg19-google.sh

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```
#!/bin/bash
lynx -source \
    http://www.google.com/search?q=$(echo $* | sed 's/+/g') |\
    sed 's/<[^>]*>/g' |\
    grep ' - [0-9][0-9]*k' |\
    cut -d" " -f1
```

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eg20-mantoc.awk

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```

#!/bin/awk -f
/^[A-Z]/ {
    h[i] = "<a href=\"#" $0 "\">" $0 "</a><br>"
    text[t] = "<a name=\"" $0 "\">" "</a>"
    i = i + 1
    t = t + 1
}
/^[A-Z]/ {
    h[i] = "<li><a href=\"#" $0 "\">" $0 "</a><br>"
    text[t] = "<a name=\"" $0 "\">" "</a>"
    i = i + 1
    t = t + 1
}
}
{
    if (NF > 0)
        text[t] = $0
    else
        text[t] = ""
    t = t + 1
}
END {
    print "<small>"
    for (j = 1; j < i; j++)
        print h[j]
    print "</small>"
    for (j = 1; j < t; j++)
        print text[j]
}

```