```
AWK
SORTING:-
n = asorti(<arraytosort>,<newarray>)
The command will get a sorted list of <arraytosort> keywords and put them in
<newarray> and n is number of elements in <arraytosort>
And then use
for (i = 1; i \le n; i++) {
     key = sorted[i]
    print key " : " sum[key]
  }
You can even give your own comparison function to the func!
asorti(<arraytosort>,<newarray>,<comparisonfunc>)
CRTERIA OF COMPARIOSN FUNCTION
Takes two inputs a and b cmp(a,b)
If it returns < 0 then a will be before b
If it return = 0 then a is considered equal to b
If it returns > 0 then a is after b
Indices are passed to the cmp function remember if you want to use values in array you
have to do arr[a] or things like that
OR if you want to do more inefficiently BUT cooler
while(1){
      count = 0
```

for (key in array){

 $if(count == 0){$

count++

PRINTING:-

print "hello" "world" this will concatenate and keep "helloworld" while using print "hello", "world" will separate them with a field separator

Every print statement gives newline at end if you dont want that use printf instead printf "%s" \$1

Arithmetic

If the variable is a string then when you use in numerical equation it acts like 0.

LOOPS

For numeric loop

```
for (i = 1; i \le 10; i++) {
```

```
print i
}
whileloop
while (i <= 5) {
  print i
  j++
}
for (key in arr) {
  print key, arr[key]
}
IFELSE
{
  if ($1 > 10) {
     print $1 " is greater than 10"
  } else {
     print $1 " is less than or equal to 10"
  }
}
regex checking?
string ~ /regex/
Normal regex not extended
. is anything
^ start $ end * 0 or more + 1 or more ? 0 or 1 {} for numbering of amount
```

\b word boundary

() grouping | pipe is OR

Eg to check if number

SED

sed -i changes files in file itself

Without -i it output the changed things in stdout

-n prints only changes lines

sed '10q' bigfile.txt is basically head