Finding the most popular entry (Bash function)

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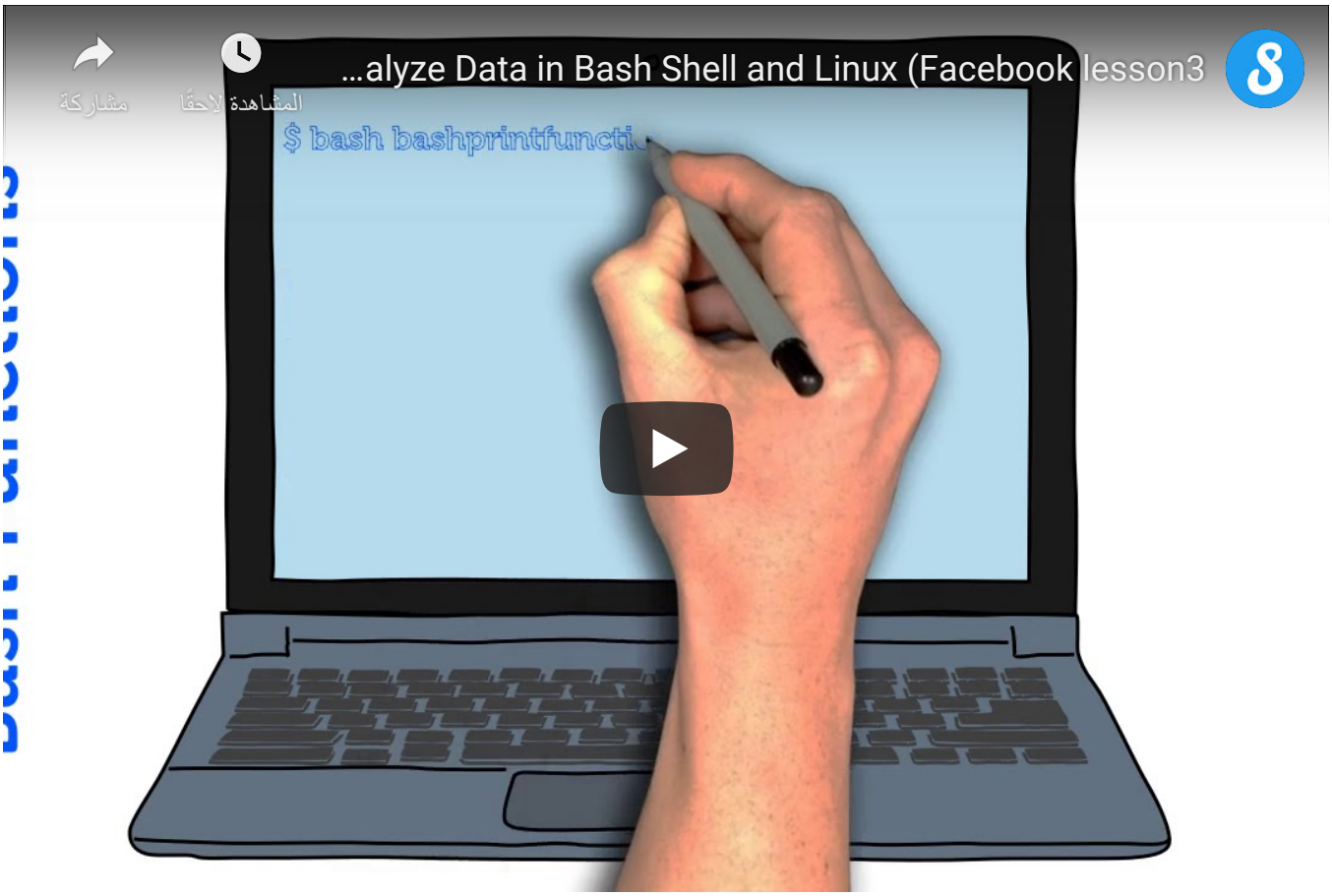
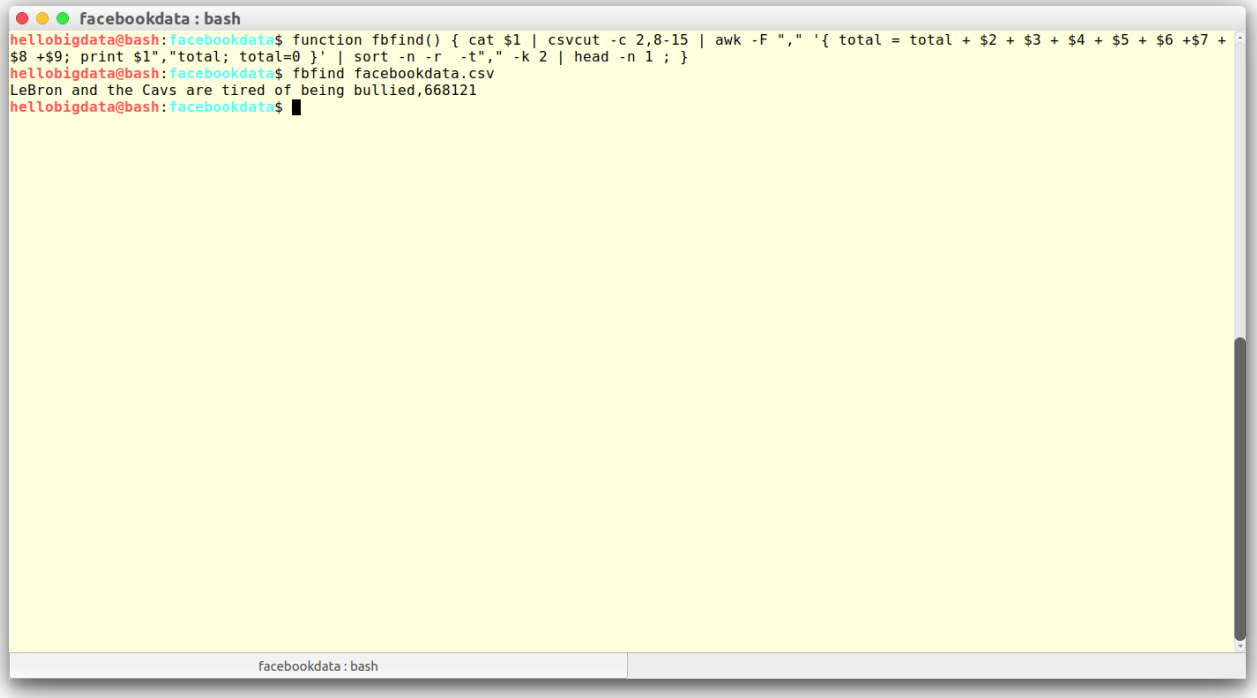
Let's now make a function called `fbfind()` which can just take a file as an argument and spell out the most popular message for us! Let's watch the following video lecture first:



Finding the most popular status entry usinf Bash function

```
function fbfind() { cat $1 | \
csvcut -c 2,8-15 | \
awk -F "," '{ total = total + $2 + $3 + $4 + $5 + $6 +$7 +$8 +$9; print $1","total; total=0 }
sort -n -r  -t"," -k 2 |
head -n 1 ; }
```

Like all other “real” programming languages Bash has functions, but unfortunarely in a somewhat limited implementation. The input argument is stored in the builr-in variable `$1`, which does not get mixed with the built-in column variables in `awk` e.g., `$1-$15` our case (15 columns)!



fbfind() function output

We will be able to run our Bash function as follows, instantly get the output:

```
function fbfind() { cat $1 | \
csvcut -c 2,8-15 | \
awk -F "," '{ total = total + $2 + $3 + $4 + $5 + $6 +$7 +$8 +$9; print $1","total; total=0 }
sort -n -r  -t"," -k 2 | \
head -n 1 ; }

fbfind facebookdata.csv
```

As you can see, one custom function written in just one line, found our desired out, the most popular message in our dataset (`LeBron and the Cavs are tired of being bullied`) which had a total of (`668121`) reactions!

Do you want to know more?

'bash functions' man page