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Last login: Wed Apr 17 22:37:35 2019 from 192.168.60.3
gwolf@vma25:~$ cd class/h08/q05
gwolf@vma25:~/class/h08/q05$ ls
a05.bak a05.sh a05.txt check05.sh class1.dat class2.dat q05.sh
gwolf@vma25:~/class/h08/q05$ cat q05.sh
#!/bin/bash
if [ $# -lt 1 ]
then
    echo "Script requires filename as parameter - can't continue"
    exit
fi

file=$1
if [ ! -e $file ]
then
    echo "Requested $file not found - can't continue"
    exit
fi

printf '%-30s  %3s  %5s  %6s\n' "Name" " # " "Total" " Ave. "
printf '%-30s  %3s  %5s  %6s\n' "===== " "====" "===== " "===== "

while read line
do
    array=()
    scores=()
    array=( $line )
    total=$(( ${#array[@]} - 2 ))
    scores=( ${array[@]:2} )
    sum=0
    for i in ${scores[@]}; do
        sum=$(( sum + $i ))
    done
    avg=$(( echo "scale=2; $sum/${#scores[@]}" | bc ))
    printf '%-30s  %4s  %4s  %5s\n' "${array[1]}, ${array[0]}" "$total" "$sum" "$avg"
done < $file

printf '%-30s  %3s  %5s  %6s\n' "===== " "====" "===== " "===== "

gwolf@vma25:~/class/h08/q05$ ./q05.sh class1.dat
Name                                     #      Total      Ave.
=====
Smith, Joe                             10        91        9.10
Wallace, Larry                         10        84        8.40
Phillips, Sally                       10        92        9.20
Taylor, Suzi                          10        77        7.70
Simpson, Brooke                      10        93        9.30
Thompson, Caleb                     10        85        8.50
Thornton, Kathy                     10        96        9.60
Vonn, Philip                         10        65        6.50
Allen, Bob                          10        84        8.40
Connors, Carole                      10        82        8.20
Davis, Karen                        10        75        7.50
=====
gwolf@vma25:~/class/h08/q05$ ./q05.sh class2.dat
Name                                     #      Total      Ave.
=====
Frank, Jill                           10        89        8.90
Wallace, Connie                       10        87        8.70
Jefferson, Sarah                     10        95        9.50
Gardner, Taylor                      10        72        7.20
Simpson, Bart                        10        97        9.70
Madison, Tiffany                     10        85        8.50
Drew, Carey                         10        96        9.60
Phelps, Michael                      10        65        6.50
Anderson, Allen                     10        84        8.40
Howard, Connor                      10        82        8.20
Delvano, Kathy                       10        75        7.50
=====
gwolf@vma25:~/class/h08/q05$

```