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**Write an awk script that will parse the data, and for each county, print the county name, the population per square mile of land, and the percentage of the county that is water. (Note that the total area of the county is the sum of the land and water areas.)**

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[jeagley@ssh1 Homework6]$ awk -F '\t' 'BEGIN{popdens_LO = 99999; waterperc_LO = 999}{
> totalarea = $3 + $4;
> popdens = $2/totalarea;
> # Percent water = water/land * 100
> percentwater = ($3/($4+$3))*100
> #print $1,"is",percentwater"% water"
> # Get highest pop density
> if (popdens > popdens_HI) {
>   popdens_HI = popdens;
>   popdens_HIname = $1
> }
> # Get lowest pop density
> if (popdens <= popdens_LO) {
>   popdens_LO = popdens;
>   popdens_LOname = $1
> }
> # Get highest water percent
> if (percentwater > waterperc_HI)
> {
>   waterperc_HI = percentwater;
>   waterperc_HIname = $1;
> }
> # Get lowest water percent
> if (percentwater <= waterperc_LO)
> {
>   waterperc_LO = percentwater;
>   waterperc_LOname = $1;
> }
> }END{print popdens_HIname,"has the highest population density with",popdens_HI,"people per
square mile."
> print popdens_LOname,"has the lowest population density with",popdens_LO,"people per square
mile."
> print waterperc_HIname,"has the highest percentage of water at",waterperc_HI"%"
> print waterperc_LOname,"has the lowest percentage of water at",waterperc_LO"%"}' census.txt
King County has the highest population density with 753.097 people per square mile.
Ferry County has the lowest population density with 3.216 people per square mile.
San Juan County has the highest percentage of water at 71.8357%
Adams County has the lowest percentage of water at 0.245117%
[jeagley@ssh1 Homework6]$
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