Exercise 6

Assignment 1

cat wages.csv | cut -d , -f 1-2 | tail -n +2 | sed 's/\,/ /g' | sort -u -V > wages1.csv

Assignment 2

echo 'Highest earner'

cat wages.csv | cut -d , -f 1,2,4 | sed 's/\,/\t/g' | head -1 > wageshigh.csv

cat wages.csv | cut -d , -f 1,2,4 | sed 's/\,/\t/g' | sort -k3 -r -n | head -1

echo 'Lowest earner'

cat wages.csv | cut -d , -f 1,2,4 | sed 's/\,/\t/g' | head -1

cat wages.csv | cut -d , -f 1,2,4 | sed 's/\,/\t/g' | sort -k3 -n | head -2 | tail -1

echo 'Females top 10'

cat wageshigh.csv |sort -k ,1 | grep -c female | wc -l

Assignment 3

TwelveYears=$(cat wages.csv | grep -E ',[0-9]{1,2},12,' | cut -d, -f 3,4 | sed 's/\,/ /g' | sort -k1,2 -n | head -1 | cut -d ' ' -f 2)

SixteenYears=$(cat wages.csv | grep -E ',[0-9]{1,2},16,' | cut -d, -f 3,4 | sed 's/\,/ /g' | sort -k1,2 -n | head -1 | cut -d ' ' -f 2)

echo "$TwelveYears - $SixteenYears" | bc