Project 1 COSC 2409

Advanced version (done correctly, you will receive up to 100%)

Do the basic version first, and then submit this BEFORE attempting the advanced version.

Changes from the basic are highlighted in <mark>yellow.</mark>

Write a monthly cell phone bill processing program.

Base rates and terms:

	Plan 1	Plan 2	Plan 3
Base Rate	$24.99	$39.99	54.99
Data charges	$15 per GB	1 GB free, $10 per GB after that	3 GB free, $7.50 per GB after that
International Plan	If included $20 per month, international minutes are free up to 100 minutes, 10 cents per minute after that If not included, International minutes are $1.00 per minute	Same as plan 1	same as plan 1

Use a while loop, and for each customer input:

Name
Plan (1, 2, or 3)
<mark># of phones in this account (allow up to 4)</mark>
Data (GB) downloaded (int, whole number)

<mark>For each phone:</mark>
       International calling plan?
       International minutes

Calculate and produce the following detail data:

Base rate charge <mark>(rate times the number of phones)</mark>
Data charge <mark>(data is shared amongst all phones. Data allotment for the account is the # of phones times the amount allowed. Each phone DOES NOT have separate data allotments)</mark>

International plan charges
International minutes charges
Taxes (6% of all the charges above)

Total due

The detail output should formatted nicely, and include all input values as well as all calculated values.

After the loop display the following summary data:

# of customers by plan
Total data (GBs) downloaded
Total international minutes (whether charged or not)
Total taxes collected
Total of all bills
Average bill