Project 1 COSC 2409

Intermediate version (done correctly, you will receive up to 89%)

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)
Data (GB) downloaded (int, whole number)
International calling plan?
International minutes

Calculate and produce the following detail data:

Base rate charge
Data charge
International plan charge
International minutes charge
Taxes (6% of all the charges above)
Total due

The detail output should formatted nicely, and include the <mark>five</mark> 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