

This homework will give you practice using the 'if' statements with if else-if and nested if's.

Write a complete Java program that prompts the user to enter their specific phone plan, and if appropriate, the number of minutes used or the number of text messages, and calculates a monthly bill for a cell phone provider based on the following options:

Option 1:

Unlimited Calling and Texting.

Price: **\$89.00 per month.**

Option 2:

Unlimited Calling and Pay per text.

Base Price: **\$79.00 per month plus 5 cents per text.**

Option 3:

**\$35.00 base price for up to 50 minutes, and then 3 cents per minute.**

This option does not allow texting.

If the user's plan is option 3, your program should display a message if the user exceeds the number of free minutes (50) (hint: use nested-if).

The program should neatly print the plan, number of minutes used, number of text messages (if applicable), and the calculated price for the month to an output file named **"monthlyBill.txt"**

Sample input:

**Enter Phone Plan (Option 1, 2, or 3): 3**

**Enter number of Minutes used this month: 80**

Sample output:

**Phone Plan: 3**

**Number of Minutes used this month: 80**

**50 Minute Limit Exceeded! -- Additional \$0.03/minute charge applied**

**Total: \$35.90**

Run your program with at least 5 different inputs and be sure to test each possible case!