1. Draw flowcharts (using while, repeat-until and for loop) for a program to ask the user how many different food he/she has eaten today and calculate the total number of calories taken.

2. Assume that running on a particular treadmill will burn 12 calories per minute. Write a pseudocode for a program that asks a user to enter the duration of his/her exercise in hours (assume that only positive integer value will be entered) and use a loop to display the number of calories burned in an interval of 20 minutes. (Hint: Need to know how many 20 minutes in the hour entered to know how many time to loop).

3. Rey sells her handicrafts online. She wants to write a program that enables her to key in the value of each item she sold and then outputs the total sales for that day. Since the number of items sold every day is different, she will not know in advance how many items are sold for each day. Therefore she uses a special number, -999, to indicate that there are no more items to enter. Write the pseudocode for this program. (Assume users will enter only positive values. Hint: sales == -999 will stop the loop)
    Example:
    >   Item sale: 15.00, 20.50, 41.00, 7.90, 13.90, -999
    >   Total sale: 98.30

4. Write a pseudocode for a program to ask a teacher to enter how many students he/she has in a class. And then the teacher has to enter the marks for the students one by one. The student will pass if the mark is more or equal than 50, and will fail if the mark is less than 50. At the end, the program will show how many students pass and how many fail in that particular class. (Hint: IF in the LOOP. You may need to initialize the counter to count how many pass and the counter to count how many fail, aside from the counter of the loop itself).

5. Write a pseudocode for a program that will ask the user to enter a password to see a message. The message is: **Fear is the path to the dark side. Fear leads to anger. Anger leads to hate. Hate leads to suffering.** The password should be: **Y0d4GOTOD4G08@H**. The user is given 3 chances to enter the password. After all the 3 attempts fail, display: **You were NOT the chosen one!**