Round - 2
Set - 1
Question - 5

Candy time

Halloween is a festival where children visit homes in their neighborhood and collect candies from each home.

- Parents want to give children an upper bound on the number of candies they can collect.
- Children want as many candies as they can get.
- We know in advance exactly how many candies each homeowner gives to the children.
- A child has to take all the candies given at a home
- They can't throw away or eat any candy on the way.
- Children also have to stop at every home in the sequence of homes they are visiting.

Write a program in **C or C++** to find the best sequence of homes for children to visit with following input/Output.

Input:

- First input is an integer, homes, that represents the maximum number of homes in the neighborhood.
- The next input is an integer, max representing the maximum number of candies that the child may collect.
- Next input will be integers, pieces, representing the number of Candies given at each home. Homes are numbered consecutively starting at 1.

Output:

- If there is no way to select one or more consecutive homes where the sum of pieces of candy is less than max, then print "NO CANDIES".
- Otherwise, for the sequence of homes that yield the largest number of candies (<=max) print the number of the first home visit, the number of the last home to visit, and sum of pieces of candy.
- If there is more than one such sequence of homes, select the one with the lowest numbered first home.

Sample Input:

5 (No. of homes)
20 (Max no. of candies)
3 (Candy from Home 1)
4 (Candy from Home 2)
2 (Candy from Home 3)
8 (Candy from Home 4)
9 (Candy from Home 5)

Sample Output:

First Home: 3
Last Home: 5
Total Candies: 19

(2+8+9=19)