In this assignment, you are expected to solve the following questions and upload the solutions to Canvas.

- Upload a zip or rar file containing the .c extension files of the solutions to the questions.
- **Duration**: 40 minutes

Q1. Write a program that asks the user to enter a TL amount and then shows how to pay that amount **using smallest number** of 20tl, 10tl, 5tl and 1tl bills.

Hint: Divide the amount by 20 to determine the number of 20 tl bills needed, and then reduce the amount by the total value of the 20 tl bills. Repeat for other bill sizes.

Input Format: Single integer, n

Constraints: The number **n** must be greater than or equal to 20.

Output Format: If n<20, print "n must be greater than or equal to 20". Otherwise, print how many times each banknote is used.

Sample Input: 93

Sample Output:

20 tl bills: 4

10 tl bills: 1

5 tl bills: 0

1 tl bills: 3

Q2. Suppose that we have two different objects or points in a cartesian coordinate system in two dimensions. And we want to measure the distance between these two points. We can use a number of different metrics to measure the distance. But in this question, you will use "**Manhattan Distance**".

One of the points is $\mathbf{x} = (\mathbf{a}, \mathbf{b})$, and other point is $\mathbf{y} = (\mathbf{c}, \mathbf{d})$. Manhattan distance between x and y points is:

Distance = |a-c| + |b-d|

For example;

$$x = (-1,7)$$

$$y = (4, 3)$$

Distance =
$$|-1-4| + |7-3| = 5 + 4 = 9$$

Task: Take 4 integer value from user (a,b,c,d). Write a program that asks the user to enter 4 integer value. And prints the result after calculating the manhattan distance.