<https://github.com/dakoval/Kattis-Solutions/blob/master/trainpassengers.java>

Line 6: name of the package is Solutions

Line 8- line 11 Just comments

Line 12, 13 import the libraries

Line 14: Define the class called trainPassesngers as public

Line 15: Define the main method. It should be a public method.

Line 16: Create an object of the Scanner class to get input from the System in. The name of the scanner object is sc

Line 17: Using that sc Scanner object read an integer value from the System in an assign that value to the integer variable capacity

Line 18: Declare int variable c and assign to that into 0

Line 19: read again an integer from the system and assign that value to the int variable call n

Line 20: Declare Boolean variable call and set it as to true

Line 21: Create a for loop. This is looping from where I = 0 to I = n – 1. Each round of the loop initially read and integer value from the system and assign that into int variable called left. (Line 22). Then compare that value in the left variable with the c value. If the left value is greater than value of the c then set the Boolean variable a to false (Line 23). Next again read an integer from the system in and assign that int the variable called enter. (Line 24). Then check the enter value is greater than to the capacity-(c-left) value. If this is true again set a variable to false.

Line 26: Again read from integer and assign to the stay variable.

Line 27: Then update the c value with this equation. New c value = previous c value – left + enter

Line 28: Then check updated c value is less than 0 or updated c is greater than the capacity. If one of this condition is true then set the a to false.

Line 29; Then check stay variable is greater than 0 and capacity – c is greater than 0. If the both conditions are true same at the same time the set a to false.

These procedure happen n times in the for loop

After that is completed Line 31 check whether a is true and c is 0 at the same time. If yes print the message “possible” to the system out

Otherwise line 32 print “impossible”