Problem to be solved:

You have been asked by the manager of Happy Valley Cinemas to write a Turing Program that will tell her how many seats are left in Theatre 1 for the 3:00 PM, 7:00 PM, and 9:00 PM shows.

Your program should accept as input from the user a variable indicating the maximum seating capacity for Theatre 1. Your program should then generate random values for the tickets sold for all three show times. On request of the user, your program should then calculate and display the number of seats remaining for the time as chosen by the user. The screen should be cleared each time the user makes another request and your program should continue until the user wishes to stop.

# Header

The % comments should be used at the beginning of the program to indicate:

Program Name: Theatre Times Program

Date: <date you ran the program>

Prepared by: <your name>

Prepared for: <your teacher’s name>

Class: TEJ2O1-02

% comments should also be used to explain key aspects of the program.

# Points to Ponder

The **cls** command will clear the screen and start you off at the top left position.

The **randomize** command should be placed before the **Rand.Int** command to ensure that different random numbers are generated each time.

**X: = Rand.Int(1,High\_Value)** will generate a random integer value between 1 and the variable **High\_Value**. You will also need to use the **stringintok** command to test for input data validity.

You will need to use the following commands:

**loop**

**if ….. then**

**elsif ….. then**

**.**

**else**

**. .**

**end if**

**end loop**

## **Sample Output:**









