Engr 123
Assignment 6
Nim

Create a Windows GUI application in C# which will allow two users to play the game of Nim. The game of Nim is played with three piles of stones. The first pile has three stones, the second has 5 stones, and the third has 8 stones. Two players take turns and on each turn a player may take as many stones as she likes from any one pile. Play continues until someone is forced to take the last stone. The player who takes the last stone loses.

Create a user interface that shows three "piles" and the number of stones in each pile similar to that shown below. The users can play by entering a pile number and a number of stones to be removed and clicking on the appropriate Enter button. Issue error messages for illegal entries using a message box. Provide a running display that indicates whose turn it is and other game status on the status label. The status label may also be used to declare a winner.

Your program must contain a class for the piles. Name your class "Pile" and create appropriate private variables and public functions with properties to allow access.

Turn in the following:
1. The pseudocode or design used to develop your program.
2. A complete source listing of your C# code.
3. Put your complete project (all files) into a zipped folder named Asn6xx.zip where xx are the initials of your first and last name and copy the zipped folder to \cecsfp01\Users\everyone\Engr123