Heap Insert Lab

1. Create a max heap class with the following variables:

private int max\_size; //max size of heap, this is included just to explain that size is not maximum size, but is current heap size.

private int size; //size of current heap

private string[] h; //array of strings that the heap will use

1. Create a constructor that with accept the heap total size as input and initialize h and size.

size =0; //size is current size of the heap

max\_size= number of items user will enter into heap plus one additional (for 0th position) //we are not using the 0th position of the array, so we need one additional memory spot

h = new string[max\_size];

1. Create a Print method that will print the contents of the array from 1 to size… public void Print()
2. Create an Insert method which will insert one item into the heap … public void Insert(String item)
3. 1. Ask the user for the number of strings to be inserted into the heap. Call the constructor to create a heap with that total maximum size..
   2. Ask the user for the values to be placed into the heap, use the Insert method to place the values in the heap as the user enters them.
   3. Print the contents of the heap