Lab 6 ch6 Heap.

Write a program to take N elements and do the following:

i)   insert() elemens into a heap one by one (percolate up).
ii)   deleteMin () one by one (percolate down).

Run your program for sorted, reverse-ordered, and random inputs.

Driver program on C++ is provided.

You need to implement template class Heap.

Input and output files are provided.

Table of correspondence.

Input files	in.txt	in2.txt	in3.txt	in4.txt
Output files	out.txt	out2.txt	out3.txt	out4.txt