

Class	CMPS 261
Section	001
Problem	Programming Assignment #2
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Due Date	12:30pm October 20, 2005

IV.Verification and Validation Documentation

IV.1Test Plan

1. Create an empty heap of size 10.
 1. Test the insertion of 10 elements.
 2. Test the removal of all elements.
2. Create an empty heap of size 10.
 1. Test the insertion of 10 elements.
 2. Test the removal of all elements.
3. Create an empty heap of size 10.
 1. Test the insertion of 10 elements.
 2. Test the removal of all elements.
4. Create an empty heap of size 10.
 1. Test the insertion of 10 elements.
 2. Test the removal of all elements.
5. Create an empty heap of size 14.
 1. Test the insertion of 15 elements.
 2. Test the removal of all elements.
6. Create an empty heap of size 22.
 1. Test the insertion of 24 elements.
 2. Test the removal of all elements

IV.2Test Results

See attached page.

IV.3Operating Instructions

IV.3.1 File Locations

cmps2611/proj2/makefile
cmps2611/proj2/main.cpp
cmps2611/proj2/minHeap.cpp
cmps2611/proj2/minHeap.h

IV.3.2Directions on using the makefile

1. Go to the Unix terminal

2. Make sure you are in the correct directory: `cmcs2611/proj2/`
3. Type in “make”
4. The CC compiler will create *.o files and an executable file named “main”

IV.3.3 Directions on how to run the generated executable

1. Go to the Unix terminal
2. Make sure you are in the correct directory: `cmcs2611/proj2/`
3. Type in “main”

IV.3.4 Cautions

None