**INFO 6205**

**Program Structures & Algorithms**

**Fall 2020**

**Assignment No 2**

* **Screenshot of Unit test passing**

**BenchmarkingTest:**

**Graphical user interface, application

Description automatically generated**

TimerTest:

Graphical user interface, application

Description automatically generated

InsertionSortTest:

Graphical user interface, application

Description automatically generated

* Screenshots of the runs:

Graphical user interface, application, table

Description automatically generated

Random array:

Graphical user interface, text

Description automatically generated

Ordered array:

Graphical user interface, text, application

Description automatically generated

Partially-ordered array:

A picture containing table

Description automatically generated

Reverse array:

A picture containing text

Description automatically generated

On average the run time have the patten of Ordered array< partially-ordered array < Random array < Reverse array.

As we use the doubling method for choosing the n, as n growth, the run time tends to go down and getting stable to a number.