**All times are in nano seconds**

**Average cases results**

**Sorting Times for random array of size 25**

Bubble Sort time = 12400

Selection Sort time = 12700

Insertion Sort time = 9000

**Sorting Times for random array of size 250**

Bubble Sort time = 888300

Selection Sort time = 443400

Insertion Sort time = 243000

**Sorting Times for random array of size 2500**

Bubble Sort time = 9031000

Selection Sort time = 6554500

Insertion Sort time = 7561400

**Sorting Times for random array of size 25000**

Bubble Sort time = 815166800

Selection Sort time = 183390100

Insertion Sort time = 57101700

**Sorting Times for random array of size 250000**

Bubble Sort time = 84344018500

Selection Sort time = 16509377800

Insertion Sort time = 5306677100

* looks like insertion sort is good for average cases

**Best-case results**

**Sorting Times for best-case array of size 25**

Bubble Sort time = 1600

Selection Sort time = 8700

Insertion Sort time = 1300

**Sorting Times for best-case array of size 250**

Bubble Sort time = 4400

Selection Sort time = 437700

Insertion Sort time = 6800

**Sorting Times for best-case array of size 2500**

Bubble Sort time = 57500

Selection Sort time = 1761300

Insertion Sort time = 16900

**Sorting Times for best-case array of size 25000**

Bubble Sort time = 85300

Selection Sort time = 174193500

Insertion Sort time = 46700

**Sorting Times for best-case array of size 250000**

Bubble Sort time = 221000

Selection Sort time = 16517955700

Insertion Sort time = 440400

* Selection sort not good for best case scenarios. Take much time to execute

**Worst case result**

**Sorting Times for worst case array of size 25**

Bubble Sort time = 28200

Selection Sort time = 6300

Insertion Sort time = 6500

**Sorting Times for worst case array of size 250**

Bubble Sort time = 1113200

Selection Sort time = 152200

Insertion Sort time = 527000

**Sorting Times for worst case array of size 2500**

Bubble Sort time = 4058500

Selection Sort time = 2472100

Insertion Sort time = 6130500

**Sorting Times for worst case array of size 25000**

Bubble Sort time = 392484000

Selection Sort time = 237258900

Insertion Sort time = 113984000

**Sorting Times for worst case array of size 250000**

Bubble Sort time = 17578901000

Selection Sort time = 22432207900

Insertion Sort time = 10927040400

* in worst cases for when array size is larger selection sort takes more time for small sizes bubble sort takes much time