

**Q1**

COMPARISON OF SORTING ALGORITHMS

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Design and Analysis of Algorithms (CS-B)

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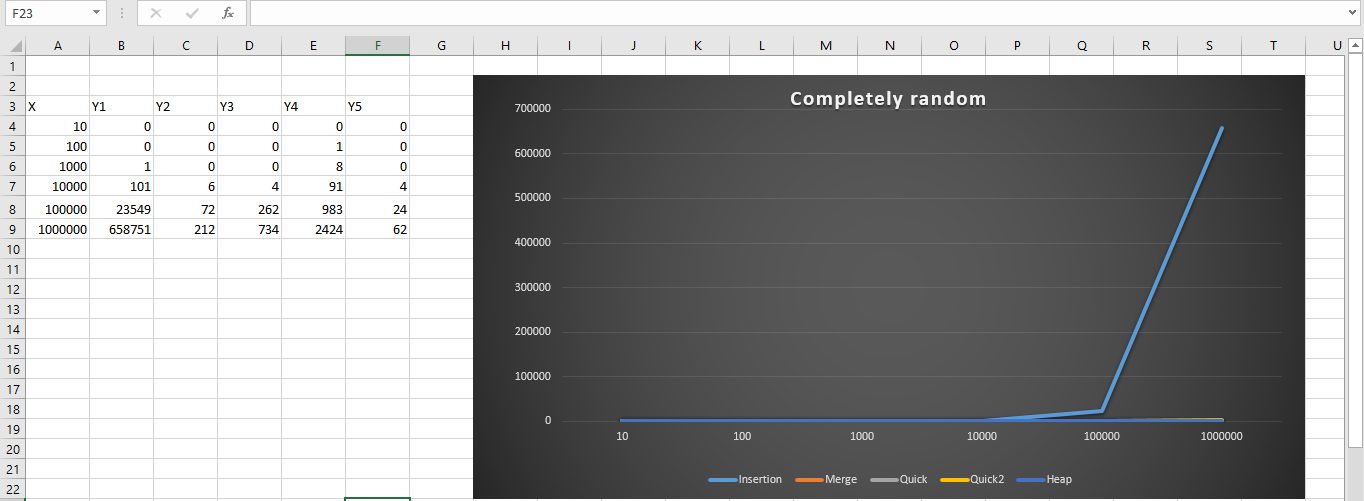
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# Runtime Environment

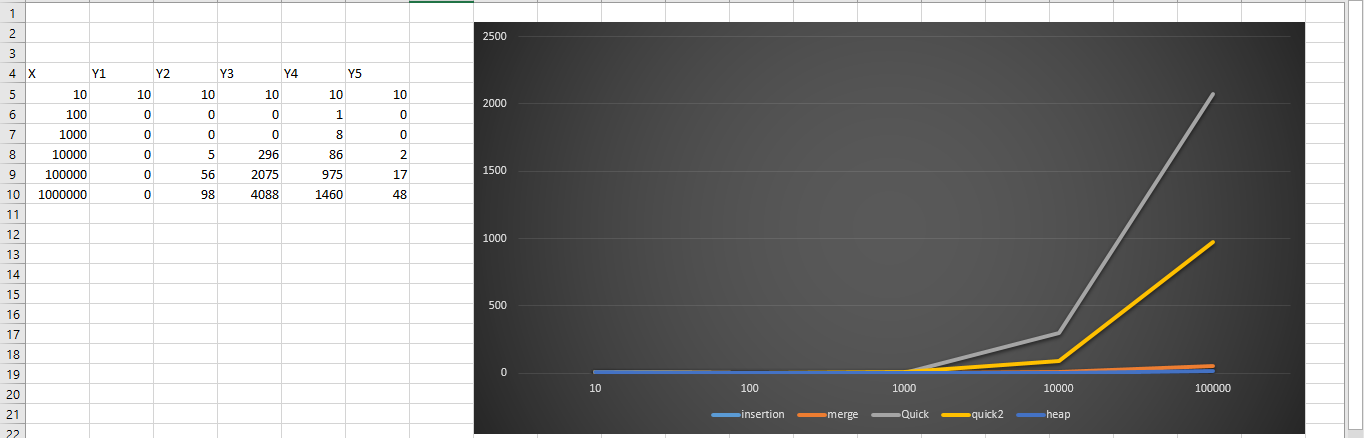
|  |  |
| --- | --- |
| System | 64-bit Operating System, x64-based processor |
| Processor | Intel® Core™ i3-4500U CPU @ 1.70GHz 1.70 GHz |
| RAM | 8.00 GB |
| Language | C++ |
| IDE | Microsoft Visual Studio 2015 |
| Compiler | Visual C++ 14.0 |

# Experiment

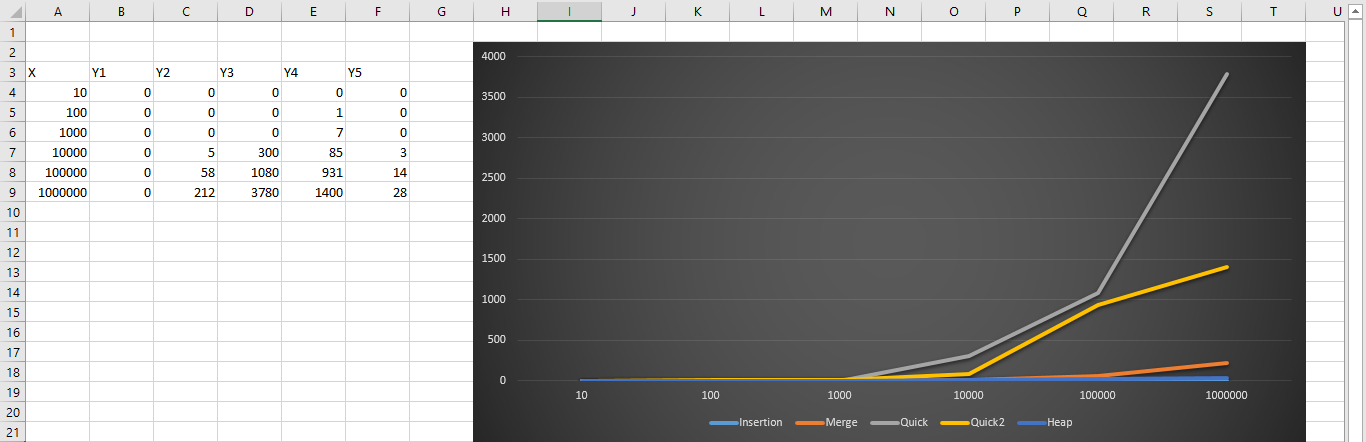
## Plot 1: Random data



## Plot 2: Sorted Data



## Plot 3: Almost sorted



## Plot 4: Sorted Data in reverse

