



As the number of elements increases we can see that our running time increases for both the array and balanced BST. This is because the Array has a linear running time and the BST has a logarithmic running time. We don't see the same trend has hash tables utilize hashing functions to maintain a constant running time.

We can see in the data which structure handles large sets of data better. When comparing the early results we can see that they were all fairly equal. This is to be expected as smaller sample sizes have less effect on the running times for array and bst.

There are a couple outlier values but this can happen with the CPU clock cycle and ram speed changing under additional load.