|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | tinyArray | smallArray | mediumArray | largeArray | extraLargeArray |
| insert | 0.0155 ms | 0.062708 ms | 0.127917 ms | 7.050458 ms | 772.469958 ms |
| append | 0.04366 ms | 0.045375 ms | 0.0955 ms | 0.446375 ms | 1.492 ms |

Runtime Execution Times

The execution times of both insert and append grow as the input size grows. The insert function grows much faster with the input size than the append function.

The insert function uses the Array.unshift method, which has a time complexity of O(n). It has to increment each element in the existing array by 1 to add the new element to the beginning of the array.