

Console X
 <terminated> SelectionSort [Java Application] /Users/aryanpat/p2/pool/plugins/org.eclipse.justj.openjdk.hotspot.jre.full.macosx.x86_64_17.0.4.v20220805-1047/jre/bin/java (Nov 14, 2022, 6:51:34 PM – 6:54:56 PM) [pid: 27392]
 The 500000th number is: 500155
 The total run time for Selection Sort is 198960ms.

ClockIn.java GroceryList.java SelectionSort.java X QuickSort.java Optimized.java

```

1 package lab8;
2
3 import java.io.BufferedReader;
4
5 public class SelectionSort {
6
7     public static void main(String[] args) throws IOException {
8
9         long start = System.currentTimeMillis();
10
11         BufferedReader bf = new BufferedReader(new FileReader("/Users/aryanpat/Desktop/12206994.txt"));
12         ArrayList<String> listOfInts = new ArrayList<String>();
13
14         String line = bf.readLine();
15
16         while (line != null) {
17             listOfInts.add(line);
18             line = bf.readLine();
19         }
20
21         bf.close();
22
23         String[] array = listOfInts.toArray(new String[0]);
24
25         int[] arraySort = new int[array.length];
26
27         for(int i = 0; i < array.length; i++){
28             arraySort[i] = Integer.parseInt(array[i]);
29         }
30     }
31 }
    
```