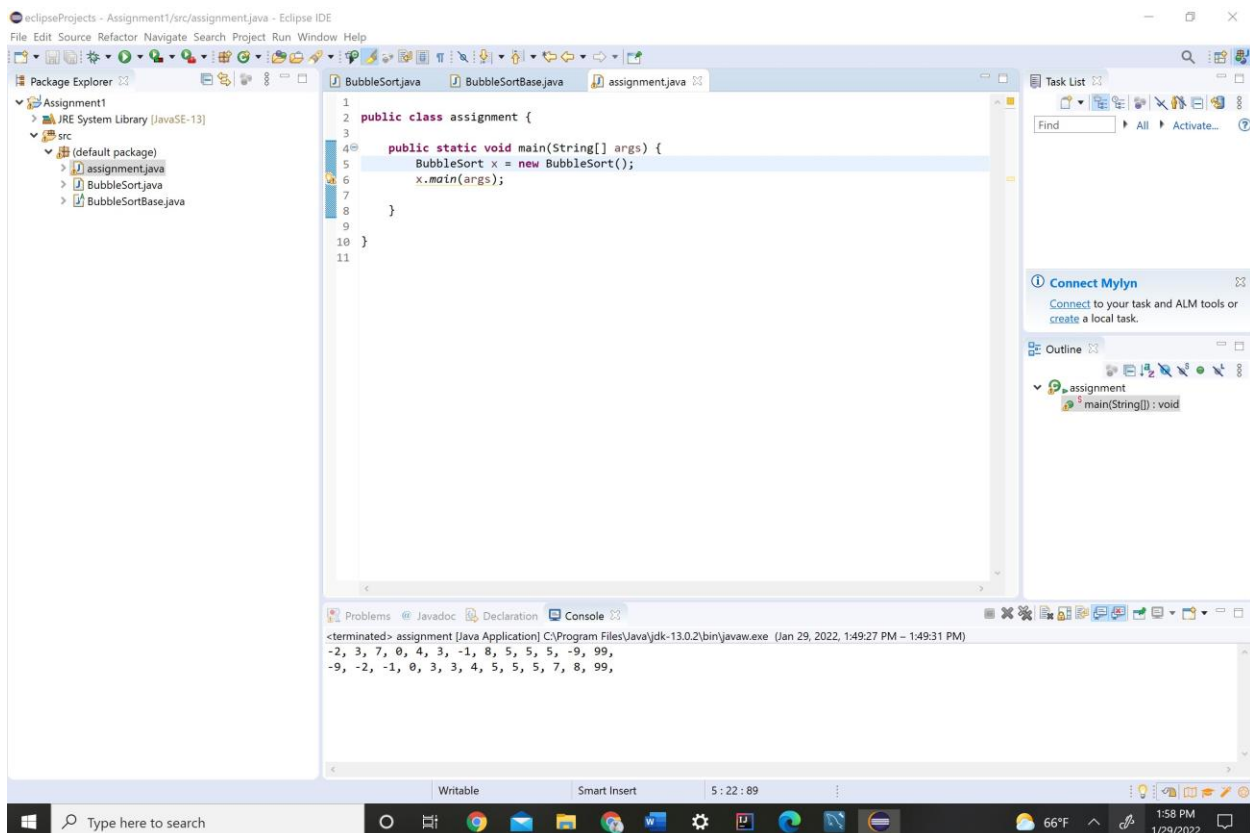


Bubble Sort

A brief reflective essay describing your degree of success, what difficulties you had, how you overcame those difficulties, and what you learned from this assignment.

The coding the actual algorithm was relatively simple. I just followed the decisions and the processes closely to create the algorithm. That took about 20 minutes. What took an unseemly amount of time was that for some reason IntelliJ rebelled and wouldn't allow me to make classes or use abstract methods. Realizing I was going anywhere I switched to eclipse, and I quickly got it to work. I may have to uninstall and reinstall IntelliJ if this problem persists in the future. I learned nothing really from the algorithm part of the assignment since I remember bubble sort from my previous algorithms class. I guess I got a refresher on eclipse which was an unexpected learning experience from my difficulties.

A screen shot of the results



The screenshot displays the Eclipse IDE interface. The Package Explorer on the left shows a project named 'Assignment1' with a source folder 'src' containing three files: 'assignment.java', 'BubbleSort.java', and 'BubbleSortBase.java'. The main editor window shows the code for 'assignment.java':

```
1 public class assignment {
2
3
4     public static void main(String[] args) {
5         BubbleSort x = new BubbleSort();
6         x.main(args);
7     }
8 }
9
10
11
```

The Console window at the bottom shows the output of the program, which is a list of numbers: -2, 3, 7, 0, 4, 3, -1, 8, 5, 5, 5, -9, 99, -9, -2, -1, 0, 3, 3, 4, 5, 5, 5, 7, 8, 99. The status bar at the bottom indicates the time is 5:22:89.