Sample Runs


```
monsarder@b98-aruba-authenticated-10-110-163-191 MaxSubsequenceSum %  /usr/bin/env /Library/Java/JavaVirtualMachi
dress=localhost:52182 -XX:+ShowCodeDetailsInExceptionMessages -cp /Users/monsarder/Library/Mobile\ Documents/com~a

==== Test Data 1 ====
O(n^3) Brute Force -> Sum: 279 | Start: 0 | End: 41 | Time: 997500 ns
O(n^2) Improved -> Sum: 279 | Start: 0 | End: 41 | Time: 58792 ns
O(n log n) Divide & Conquer -> Sum: 279 | Start: 0 | End: 41 | Time: 40833 ns
O(n) Kadane -> Sum: 279 | Start: 0 | End: 41 | Time: 3500 ns

==== Test Data 2 ====
O(n^3) Brute Force -> Sum: 693 | Start: 12 | End: 35 | Time: 1408375 ns
O(n^2) Improved -> Sum: 693 | Start: 12 | End: 35 | Time: 57083 ns
O(n log n) Divide & Conquer -> Sum: 693 | Start: 12 | End: 35 | Time: 41250 ns
O(n) Kadane -> Sum: 693 | Start: 12 | End: 35 | Time: 2917 ns
monsarder@b98-aruba-authenticated-10-110-163-191 MaxSubsequenceSum %
```

1.


```
monsarder@b98-aruba-authenticated-10-110-163-191 MaxSubsequenceSum %  cd /Users/monsarder/Library/Mobile\ Do
hines/jdk-21.jdk/Contents/Home/bin/java -agentlib:jdwp=transport=dt_socket,server=n,suspend=y,address=localh
m~apple~CloudDocs/Downloads/MaxSubsequenceSum/bin MaxSubsequenceSum

==== Test Data 1 ====
O(n^3) Brute Force -> Sum: 165 | Start: 43 | End: 59 | Time: 1125834 ns
O(n^2) Improved -> Sum: 165 | Start: 43 | End: 59 | Time: 58709 ns
O(n log n) Divide & Conquer -> Sum: 165 | Start: 43 | End: 59 | Time: 39458 ns
O(n) Kadane -> Sum: 165 | Start: 43 | End: 59 | Time: 3459 ns

==== Test Data 2 ====
O(n^3) Brute Force -> Sum: 596 | Start: 25 | End: 58 | Time: 120208 ns
O(n^2) Improved -> Sum: 596 | Start: 25 | End: 58 | Time: 56625 ns
O(n log n) Divide & Conquer -> Sum: 596 | Start: 25 | End: 58 | Time: 38166 ns
O(n) Kadane -> Sum: 596 | Start: 25 | End: 58 | Time: 3000 ns
monsarder@b98-aruba-authenticated-10-110-163-191 MaxSubsequenceSum %
```

2.


```
PROBLEMS    OUTPUT    DEBUG CONSOLE    TERMINAL    PORTS

monsarder@b98-aruba-authenticated-10-110-163-191 MaxSubsequenceSum %  cd /Users/monsarder/Library/Mobile\ Documents/com~
hines/jdk-21.jdk/Contents/Home/bin/java -agentlib:jdwp=transport=dt_socket,server=n,suspend=y,address=localhost:52232 -X
m~apple~CloudDocs/Downloads/MaxSubsequenceSum/bin MaxSubsequenceSum

==== Test Data 1 ====
O(n^3) Brute Force -> Sum: 237 | Start: 31 | End: 42 | Time: 5010416 ns
O(n^2) Improved -> Sum: 237 | Start: 31 | End: 42 | Time: 58583 ns
O(n log n) Divide & Conquer -> Sum: 237 | Start: 31 | End: 42 | Time: 41667 ns
O(n) Kadane -> Sum: 237 | Start: 31 | End: 42 | Time: 4709 ns

==== Test Data 2 ====
O(n^3) Brute Force -> Sum: 675 | Start: 70 | End: 99 | Time: 889291 ns
O(n^2) Improved -> Sum: 675 | Start: 70 | End: 99 | Time: 56083 ns
O(n log n) Divide & Conquer -> Sum: 675 | Start: 70 | End: 99 | Time: 39250 ns
O(n) Kadane -> Sum: 675 | Start: 70 | End: 99 | Time: 2959 ns
monsarder@b98-aruba-authenticated-10-110-163-191 MaxSubsequenceSum %
```

3.