1.Quick sort

```
請輸入以下數字進行操作:
          1. Quick sort
          2. Insertion sort
          3. Leave
輸入1 \longrightarrow 1
          進行Quick sort....
          排序後的陣列:
          -998.987 ,-984
                                  ,-975.23
                                                , -975
                                                            ,-967
                      ,-914.78
                                  ,-886.1
                                                ,-872.44
                                                             ,-850.21
          -933
                     ,-800
                                   ,-775.6
                                                             ,-773
          -819.37
                                                ,-774
                     ,-745
                                  ,-744.3
                                                ,-726
                                                            ,-724
          -750
                     ,-714.839
          -720
                                  ,-676.3
                                                            ,-668
                                                ,-671.922
                                  ,-608.95
                     ,-610.357
                                                ,-606
          -663.36
                                                            ,-560.7
                     ,-508
                                  ,-495
          -513.8
                                                ,-493.74
                                                             ,-487.24
                     ,-462.07
                                  ,-417
                                                ,-403
                                                             ,-382
          -483.25
                      ,-370.56
                                   ,-350
                                                ,-343
          -376
                                                             ,-319
                                  ,-294
                     ,-301
                                                            ,-264.4
                                                ,-271.39
          -319
                                  ,-222.854
                     ,-235
                                                            ,-171
          -256.24
                                               ,-185.077
                                  ,-115.4
          -130
                     ,-121
                                                ,-103.27
                                                            ,-90.6
                     ,-80.504
                                  ,-70
                                                ,-69.7
                                                            ,-67
          -86
                      ,-64
                                                ,-52.4
                                   ,-60.6
                                                            ,-48.23
          -64.105
                      ,3
                                   ,24.9
                                                ,74.4
                                                             ,132.372
          -33.41
                      ,236
                                                ,282
                                  ,274
                                                             ,359.45
          217.1
                                  ,413.8
                                               ,441.7
                                                            ,488.14
          368
                      ,391
                                  ,657
                                                            ,753.9
                                               ,736.3
                      ,627
          494
                                                             ,890
                      ,797.236
                                  ,826.84
                                                ,870
          775
                                   ,965.6
                                                             ,991
                     ,965
                                                ,989.617
          898
          共有 100 筆資料
          最大的數: 991.0
          最小的數: -998.987
```

2.Insertion sort

輸入2 -

```
請輸入以下數字進行操作:
1. Quick sort
2. Insertion sort
3. Leave
進行Insertion sort....
排序後的陣列:
                        ,-975.23
                                     ,-975
         ,-984
                                                   ,-967
-998.987
           ,-914.78
                        ,-886.1
                                     ,-872.44
-933
                                                   ,-850.21
            ,-800
                         ,-775.6
                                      ,-774
                                                   ,-773
-819.37
           ,-745
                         ,-744.3
-750
-720
                                                   ,-724
                                      ,-726
           ,-714.839
                        ,-676.3
                                     ,-671.922
                                                   ,-668
                                     ,-606
           ,-610.357
                        ,-608.95
                                                   ,-560.7
-663.36
           ,-508
                        ,-495
                                     ,-493.74
                                                   ,-487.24
-513.8
                                     ,-403
           ,-462.07
                        ,-417
                                                   ,-382
-483.25
                        ,-350
            ,-370.56
                                      ,-343
                                                   ,-319
-376
            ,-301
                         ,-294
                                      ,-271.39
                                                   ,-264.4
-319
           ,-235
                        ,-222.854
                                     ,-185.077
                                                   ,-171
-256.24
                        ,-115.4
           ,-121
                                     ,-103.27
                                                   ,-90.6
-130
                        ,-70
           ,-80.504
                                     ,-69.7
                                                   ,-67
-86
           ,-64
                        ,-60.6
                                     ,-52.4
                                                   ,-48.23
-64.105
                        ,24.9
                                     ,74.4
-33.41
                                                   ,132.372
           ,236
                        ,274
                                     ,282
                                                   ,359.45
217.1
            ,391
                         ,413.8
                                      ,441.7
                                                   ,488.14
368
                                     ,736.3
            ,627
                         ,657
                                                   ,753.9
494
            ,797.236
                                     ,870
                         ,826.84
                                                   ,890
775
           ,965
898
                         ,965.6
                                      ,989.617
                                                   ,991
共有 100 筆資料
最大的數: 991.0
最小的數: -998.987
```

3.leave

```
請輸入以下數字進行操作:
1. Quick sort
2. Insertion sort
3. Leave
輸入3 → 3
ending....
```