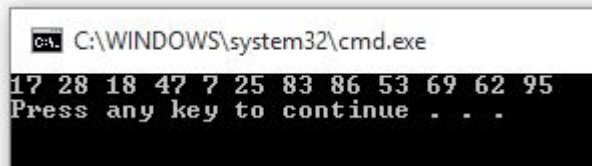


```

/*-----
Programming Assignment 6 Submission
Sorting Algorithm 2 - The CoolSort function sorts an array in ascending order
                        at time complexity  $O(n^3/2)$  by sorting at varying step sizes.
Created by Hyo Lee
Student ID: 002292770
02/16/2016
-----*/

```

Input array [62 83 18 53 07 17 95 86 47 69 25 28] correctly sorted at step size H = [5].

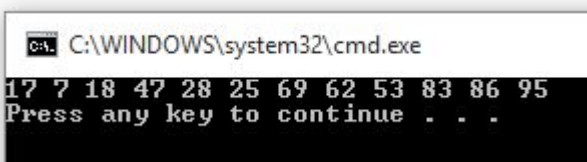


```

C:\WINDOWS\system32\cmd.exe
17 28 18 47 7 25 83 86 53 69 62 95
Press any key to continue . . .

```

Input array [62 83 18 53 07 17 95 86 47 69 25 28] correctly sorted at step size H = [5, 3].

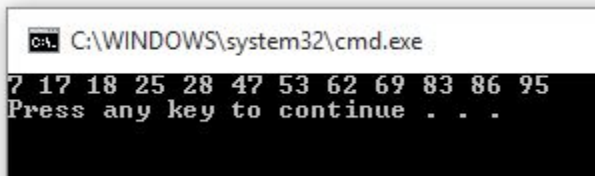


```

C:\WINDOWS\system32\cmd.exe
17 7 18 47 28 25 69 62 53 83 86 95
Press any key to continue . . .

```

Input array [62 83 18 53 07 17 95 86 47 69 25 28] correctly sorted at step size H = [5, 3, 1].

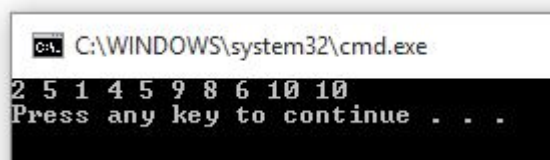


```

C:\WINDOWS\system32\cmd.exe
7 17 18 25 28 47 53 62 69 83 86 95
Press any key to continue . . .

```

Sample test case 1, Input array [2, 5, 6, 4, 10, 9, 8, 1, 10, 5] correctly sorted at step size H = [5].

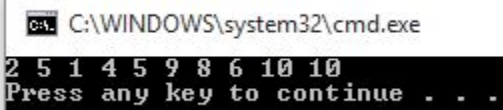


```

C:\WINDOWS\system32\cmd.exe
2 5 1 4 5 9 8 6 10 10
Press any key to continue . . .

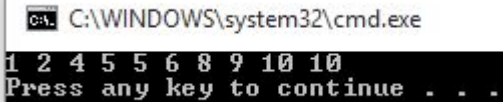
```

Sample test case 1, Input array [2, 5, 6, 4, 10, 9, 8, 1, 10, 5] correctly sorted at step size H = [5, 3]. (No change)



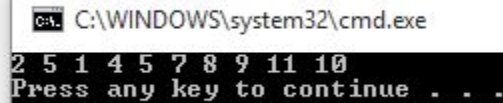
```
C:\WINDOWS\system32\cmd.exe
2 5 1 4 5 9 8 6 10 10
Press any key to continue . . .
```

Sample test case 1, Input array [2, 5, 6, 4, 10, 9, 8, 1, 10, 5] correctly sorted at step size H = [5, 3, 1].



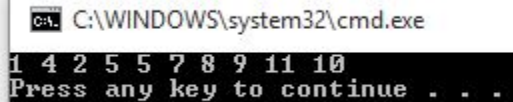
```
C:\WINDOWS\system32\cmd.exe
1 2 4 5 5 6 8 9 10 10
Press any key to continue . . .
```

Sample test case 2, Input array [2, 5, 9, 4, 10, 7, 8, 1, 11, 5] correctly sorted at step size H = [5].



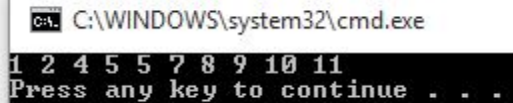
```
C:\WINDOWS\system32\cmd.exe
2 5 1 4 5 7 8 9 11 10
Press any key to continue . . .
```

Sample test case 2, Input array [2, 5, 9, 4, 10, 7, 8, 1, 11, 5] correctly sorted at step size H = [5, 2].



```
C:\WINDOWS\system32\cmd.exe
1 4 2 5 5 7 8 9 11 10
Press any key to continue . . .
```

Sample test case 2, Input array [2, 5, 9, 4, 10, 7, 8, 1, 11, 5] correctly sorted at step size H = [5, 2, 1].



```
C:\WINDOWS\system32\cmd.exe
1 2 4 5 5 7 8 9 10 11
Press any key to continue . . .
```