

Jarron Bailey

Homework 5

Sorted List Program

Test 1: Sorted list, invalid list of numbers containing spaces:

```
baile@Jarron MINGW64 ~/Documents/School/ITMD-513/hw-05 (master)
$ python Bailey_hw5.py
Enter a list of numbers(seperated by space): 1 3 4

Please enter a valid list of number!
Enter a list of numbers(seperated by space):
```

Test 2: Sorted list, within invalid list of numbers containing letters

```
baile@Jarron MINGW64 ~/Documents/School/ITMD-513/hw-05 (master)
$ python Bailey_hw5.py
Enter a list of numbers(seperated by space): 3 k k 2

Please enter a valid list of number!
Enter a list of numbers(seperated by space):
```

Test 3: Sorted list, with valid list:

```
baile@Jarron MINGW64 ~/Documents/School/ITMD-513/hw-05 (master)
$ python Bailey_hw5.py
Enter a list of numbers(seperated by space): 10 1 9 2 8 3 7 4 6 5
[1, 2, 3, 4, 5, 6, 7, 8, 9, 10]

Enter a matrix of numbers below, please seperate each number by space.
Enter `q` to complete matrix.
Row: █
```

Matrix Program

Test 1: Invalid matrix row containing too many spaces

Test 2: Invalid matrix row containing letters

```
baile@Jarron MINGW64 ~/Documents/School/ITMD-513/hw-05 (master)
$ python Bailey_hw5.py
Enter a matrix of numbers below, please separate each number by space.
Enter `q` to complete matrix.
Row: 1 2 3 4

Please enter a valid row of numbers!
Row: █
```

```
baile@Jarron MINGW64 ~/Documents/School/ITMD-513/hw-05 (master)
$ python Bailey_hw5.py
Enter a matrix of numbers below, please separate each number by space.
Enter `q` to complete matrix.
Row: 1 k 2 2 2

Please enter a valid row of numbers!
Row: █
```

Test 3: Enter empty row

```
baile@Jarron MINGW64 ~/Documents/School/ITMD-513/hw-05 (master)
$ python Bailey_hw5.py
Enter a matrix of numbers below, please separate each number by space.
Enter `q` to complete matrix.
Row:

Please enter a valid row of numbers!
Row: █
```

Test 4: Matrix 2 exceeds matrix 1 row length

```
baile@Jarron MINGW64 ~/Documents/School/ITMD-513/hw-05 (master)
$ python Bailey_hw5.py
Enter a matrix of numbers below, please separate each number by space.
Enter `q` to complete matrix.
Row: 1 2 3
Row: 1 2 3
Row: q

Enter a matrix of numbers below, please separate each number by space.
Enter `q` to complete matrix.
Row: 1 2 3 4

Row lengths must be equal to first row!
Row: 
```

Test 5: Valid two matrixes

```
baile@Jarron MINGW64 ~/Documents/School/ITMD-513/hw-05 (master)
$ python Bailey_hw5.py
Enter a matrix of numbers below, please separate each number by space.
Enter `q` to complete matrix.
Row: 1 2 3
Row: 4 5 6
Row: 7 8 9
Row: q

Enter a matrix of numbers below, please separate each number by space.
Enter `q` to complete matrix.
Row: 0 2.0 4.0
Row: 1 4.5 2.2
Row: 1.1 4.3 5.2
1 2 3 0 2.0 4.0 5.3 23.9 24.0
4 5 6 * 1 4.5 2.2 = 11.6 56.3 58.2
7 8 9 1.1 4.3 5.2 17.9 88.7 92.4

baile@Jarron MINGW64 ~/Documents/School/ITMD-513/hw-05 (master)
$ 
```