

Jonah Lergen

Assignment #05

02/17/17

Input:

problem_01.c

This problem lets you input 10 integers and then sorts them in ascending or descending order. I will choose the set “1, 3, 5, 8, -3, 12, 56, 34, -60, 0” and choose ascending and descending order for it.

problem_02.c

In this problem, you can enter up to 30 GPAs and it will calculate the average to 2 decimal places. I chose two different sets of 5 GPAs being “3.34, 4.00, 2.56, 2.76, 3.05”, and “2.34, 3.52, 3.95, 1.65, 1.59.” In the last case I inputted “3” 28 times and “4” the last 2 times.

problem_03.c

There is no input for the problem, as it initializes the values of the variables in the code itself.

problem_04.c

This problem lets you pick a number between 1 and 6 and it will generate that number of die rolls respectively. I chose “1, 6, 7” as my inputs.

Output:

problem_01.c

```
Problems Tasks Console Properties
<terminated> (exit value: 0) Assignment5.1.exe [C/C++ Application] C:\Users\Jonah\workspace_c\Assignment5.1\Debug\Assignment5.1.exe (2/17/17, 8:56 PM)
Enter a number: 1
Enter a number: 3
Enter a number: 5
Enter a number: 8
Enter a number: -3
Enter a number: 12
Enter a number: 56
Enter a number: 34
Enter a number: -60
Enter a number: 0

Type [1] to print in ascending order or [2] to print in descending order: 1

Ascending order: -60 -3 0 1 3 5 8 12 34 56
```

```
Problems Tasks Console Properties
<terminated> (exit value: 0) Assignment5.1.exe [C/C++ Application] C:\Users\Jonah\workspace_c\Assignment5.1\Debug\Assignment5.1.exe (2/17/17, 8:57 PM)
Enter a number: 1
Enter a number: 3
Enter a number: 5
Enter a number: 8
Enter a number: -3
Enter a number: 12
Enter a number: 56
Enter a number: 34
Enter a number: -60
Enter a number: 0

Type [1] to print in ascending order or [2] to print in descending order: 2

Descending order: 56 34 12 8 5 3 1 0 -3 -60
```

problem_02.c

```
Problems Tasks Console Properties
<terminated> (exit value: 0) Assignment5.2.exe [C/C++ Application] C:\Users\Jonah\workspace_c\Assignment5.2\Debug\Assignment5.2.exe (2/17/17, 9:03 PM)
Enter a GPA or type [-1] to quit: 3.34
Enter a GPA or type [-1] to quit: 4.00
Enter a GPA or type [-1] to quit: 2.56
Enter a GPA or type [-1] to quit: 2.76
Enter a GPA or type [-1] to quit: 3.05
Enter a GPA or type [-1] to quit: -1
GPA Average: 3.14
```

```
Problems Tasks Console Properties
<terminated> (exit value: 0) Assignment5.2.exe [C/C++ Application] C:\Users\Jonah\workspace_c\Assignment5.2\Debug\Assignment5.2.exe (2/17/17, 9:04 PM)
Enter a GPA or type [-1] to quit: 2.34
Enter a GPA or type [-1] to quit: 3.52
Enter a GPA or type [-1] to quit: 3.95
Enter a GPA or type [-1] to quit: 1.65
Enter a GPA or type [-1] to quit: 1.59
Enter a GPA or type [-1] to quit: -1
GPA Average: 2.61
```

```
Problems Tasks Console Properties
<terminated> (exit value: 0) Assignment5.2.exe [C/C++ Application] C:\Users\Jonah\workspace_c\Assignment5.2\Debug\Assignment5.2.exe (2/17/17, 9:07 PM)
Enter a GPA or type [-1] to quit: 3
Enter a GPA or type [-1] to quit: 3
Enter a GPA or type [-1] to quit: 3
Enter a GPA or type [-1] to quit: 3
Enter a GPA or type [-1] to quit: 3
Enter a GPA or type [-1] to quit: 3
Enter a GPA or type [-1] to quit: 3
Enter a GPA or type [-1] to quit: 3
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Enter a GPA or type [-1] to quit: 3
Enter a GPA or type [-1] to quit: 3
Enter a GPA or type [-1] to quit: 3
Enter a GPA or type [-1] to quit: 4
Enter a GPA or type [-1] to quit: 4
GPA Average: 3.07
```

After the second “4” was inputted the program automatically prints the GPA average without having to type “-1” to stop since the limit was 30 GPA.

problem_03.c

```
Problems Tasks Console Properties
<terminated> (exit value: 0) Assignment5.3.exe [C/C++ Application] C:\Users\Jonah\workspace_c\Assignment5.3\Debug\Assignment5.3.exe (2/17/17, 9:04 PM)
Value of each non-pointer: 1 c 3.14
Value of each pointer: 1 c 3.14
Address of each non-pointer: 6422304 6422303 6422296
Address of each pointer: 6422304 6422303 6422296
```

problem_04.c

```
Problems Tasks Console Properties
<terminated> (exit value: 0) Assignment5.4.exe [C/C++ Application] C:\Users\Jonah\workspace_c\Assignment5.4\Debug\Assignment5.4.exe (2/17/17, 9:05 PM)
Enter the number of dice to roll, up to six: 1
2
```

```
Problems Tasks Console Properties
<terminated> (exit value: 0) Assignment5.4.exe [C/C++ Application] C:\Users\Jonah\workspace_c\Assignment5.4\Debug\Assignment5.4.exe (2/17/17, 9:06 PM)
Enter the number of dice to roll, up to six: 6
3 4 2 6 5 6
```

```
Problems Tasks Console Properties
<terminated> (exit value: 0) Assignment5.4.exe [C/C++ Application] C:\Users\Jonah\workspace_c\Assignment5.4\Debug\Assignment5.4.exe (2/17/17, 9:06 PM)
Enter the number of dice to roll, up to six: 7
6 1 4 6 4 1
```

“7” rolls was still limited to six because the program is limited to that many.