

Assignment #5: BIT 1400

Due Friday Nov 29, 2013 11:59 pm

With this assignment we will be working with pointers.

Please submit a C++ program (.cpp) to CuLearn by the deadline.

1. You're in charge of the finances at the "Happy Tree Landscaping Company".

It's been a busy year at Happy Tree with a summer that had plenty of rain. Since it's now turning to winter it is time to add up the sales for the previous summer. Now Happy Tree calculates their sales on a weekly basis and you're in charge of adding up all those sales for the year to determine how successful it actually was! The only problem is that year to year the number of weeks in the landscaping season changes due to weather, so you want to create a program that can work with a variable number of weeks.

Develop a program in C++ that does the following.

1. Ask the user how many weeks were in the landscaping season this year.
2. Dynamically create an array of double floating point data that can be used to store the sales for each week of the season.
3. Using a for loop, have the user enter in the sales data for the season.
4. Pass the array (and its size) into a function that will display all the sales for the weeks in a nice table.
5. Call another function that will take in the array as an argument and will total the sales for the season (returning the total to the main function).
6. Have the program tell the user the total sales for the season and the average sales per week.
7. After this delete the allocated memory and set the pointer to 0.

Below is a sample of the output for the program. If you have any questions, feel free to ask.

```
C:\Users\christopher\Documents\BIT\BIT 1400\HappyTree\Debug\HappyTree....
How many weeks were in the Landscaping season?
5

Enter the sales for week 1:345.45

Enter the sales for week 2:232.23

Enter the sales for week 3:567.89

Enter the sales for week 4:456.56

Enter the sales for week 5:456.76


The sales for the season were:
Week 1: 345.45
Week 2: 232.23
Week 3: 567.89
Week 4: 456.56
Week 5: 456.76


The total sales for the season are: $2058.89
The average Weekly sales were: $411.78
```