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Report for Lab 01

The objectives of the first programming assignment are:

1. To learn to do simple calculations in Python.
2. Get familiar with the “for” loop.
3. To use string concatenation and the print statement to produce formatted output in the console.

Variables used in program

* Levels: indicates how many levels the pyramid contains.
* In range: where the pyramid starts and ends.
* K: the range for the pyramid
* J: the formula to always result in an odd number.
* Int: integer
* Input: asks the user for input
* Print: prints whatever is in parenthesis.

Report questions:

1. Yes, the program still works if the user enters a building block that is more than one character.
2. Yes, this program also works if you enter a building block other than a single character. What happens instead is that whatever you enter for the building block now replaces one “\*” so the pyramid is much longer than normal.

Problems encountered

I had many problems with this first assignment. First, I was not able to finish the program completely. I had a very hard time trying to find what I should be using for my codes in order to get what was asked. I have looked in the book many times for help or examples, but I could not find anything that could help me with my problems. Also, I asked for help during lab sessions and office hours, but I still had a hard time figuring out how to do the programs and in the end I was unfortunately only able to figure out the first problem. I found them very complex and I felt that I did not have enough background information to fulfill the problems asked. Although, I did not experience any crashing of the program or technical issues at all with Python.