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Period 3

For the following format specifiers, PLEASE FILL OUT COMPLETE INFORMATION. It will not be sufficient to copy and paste information you find on the internet. For your own success in this lesson you should articulate your understanding of how each of these specifiers work.

|  |  |
| --- | --- |
| **{:<10}** | When do you use it?  When you want to align your text  How does it work?  Whatever you put in format will have 10 total characters and characters will fill in to the right to help align whatever is being formatted.  Provide examples:  print(“{:-<10}”.format(“test”)) will produce: test------ |
| **{:>10}** | When do you use it?  When you want to align your text  How does it work?  Whatever you put in format will have 10 total characters and characters will fill in to the left to help align whatever is being formatted.  Provide examples:  print(“{:->10}”.format(“test”)) will produce: ------test |
| **{:^10}** | When do you use it?  When you want to align your text  How does it work?  Whatever you put in format will have 10 total characters and characters will fill in evenly on both the left and right sides to help align whatever is being formatted.  Provide examples:  print(“{:-^10}”.format(“test”)) will produce: ---test--- |
| **{:00.0f}** | When do you use it?  When you want a number to end at a certain number of decimal places  How does it work?  Your decimal will end at the number of decimal places that you select  Provide examples:  print("{:10.3f}".format(7837234.928347)) will produce: 7837234.928 |

* variables willbe callable onlywithin the function where you create them
* Global variables are declared at the beginning of a program and can be accessed anywhere in the class
* Using multiple functions makes it easier to change the variables. This breaks a complex task into smaller, specialized tasks to simplify the design process and make updates easier

1. How do you begin writing a program? What does a program file consist of? Do you need fancy development software? Why?
2. Why does the method need to be at the top of most of the programs that we have created so far? How does Python run lines of code?
3. Why do we need parameters? How do they enhance our use of methods? What do they enable use to do?
4. What is the difference between return methods and the other kind of method we used?
5. You start by opening a text document and converting it into python. You will need to download python for this to work.
6. The method needs to be on top because anything above the method is outside of its scope. The code needs to be under the method in order for it to run.
7. This way if you want to change a part of the program like in the colored car example, then you only need to change the small part instead of the entire program.
8. Return methods allow you to return value in your code for further processing