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Period: 3

Activity 1.2.1 Catch a Turtle

Here is the 2nd sentence of the introduction of this activity: Modular programming increases the readability of code, makes the code easier to maintain or change, and allows programmers to reuse the functionality of the code without having to repeat the whole section of code multiple times.

Understand it and remember it. It will help you to answer the question about why procedures that you make help you to handle the complexity of your program. The three bullet points under "Functions" also describe the benefits of procedural abstraction.

This activity guides you through making your own functions. It will be new for many of you so I will not require many responses as you go along, letting you focus on learning by doing. Upload your python file with this submission (rename it with your initials and 121 in the file name), well documented, of course.

For the 3, your program should run as specified through #50 with a countdown of 5 seconds. For the 4, your program should also include 3 of the 4 features described in the table in the 'It's Your Turn' section.

Also, respond to the following.

c1. How can modular coding help when designing a large project? (articulate at least three benefits)

1. It allows you to reuse code easily
2. It makes it easier to fix bugs
3. It makes it easier to read