Lesson 06 – Discussion

**Python while Loop Statements**

Please read the following link and then discuss with your classmates why you would ever purposely create an infinite loop.

<https://www.tutorialspoint.com/python/python_while_loop.htm>

An infinite loop is one in which the condition never evaluates to false. In this case, the loops condition is always true, and therefore continuously executes without interruption. In most instances, this is an undesired result, and is often taught in the classroom setting as something to watch out for when working with loops. However, there are some cases in which this type of behavior in a loop would be ideal, and actually necessary. One of these cases would be a program that needs to constantly run in order to communicate with a server during client/server interactions.