**Introduction**

Using Wing IDE makes the debugging process a lot more easier because of It is good for editing programs, it also has an interactive Python Shell which has a set of features, particularly debugging.

**Algorithm**

The most helpful tool that comes with Wing IDE is the debugger, It is not that difficult to learn and once you get the hang of it , I guarantee it will save you a lot of hours. On the top bar of wing IDE there is a lady bug which allows you to enter into debug mode , in order to use the lady bug for debugging you have to set a break point on the particular line which line you want to inspect. Once you are In debug mode there are two tabs useful tabs at the bottom, one for input/output and one for analysis . Those are the debug I/0 and the stack data.

The debug I/0 is used for input and output and there stack data is used for observations. The important part when using the stack data is to watch the variables change, this gets boring at times but it’s the most helpful because it helps in figuring out what went wrong with your program as you inspect it. Using Wing IDE is very helpful because when you have written many lines of code it is difficult to spot what went wrong with your program, and that’s where Wing debugging tools come into play.