Turtles/Loops Assignment

Create a Python program that uses the Turtles module, and draws something cool. The sky is the limit on what you can draw. There are a couple things you need to make sure you do, though:

* use at least two for or while loops
* use at least one if/elif/else block
* utilize multiple colours

Other than that, surprise me with your creativity!

**Extra for Experts:**

* You could use functions to make your code nicer to read. You may want to [read up on variable scope in Python](https://interactivepython.org/runestone/static/thinkcspy/Functions/Variablesandparametersarelocal.html).
* You may want to also investigate controlling your turtle with keyboard commands. See [this section of the Python Docs Reference](http://docs.python.org/dev/library/turtle.html#using-screen-events).

Marking Rubric

| Python Marking Rubric | | |
| --- | --- | --- |
| **Criteria** | **Ratings** | **Pts** |
| Functionality | |  |  |  | | --- | --- | --- | | 3.0 pts  Every part of the assignment works according to specification. | 2.0 pts  A couple minor errors in the functionality of the assignment | 1.0 pts  Major syntax errors and the algorithm is incorrect. | | 3.0 pts |
| Documentation (comments in source code) | |  |  |  | | --- | --- | --- | | 2.0 pts  Includes header and code is well commented (not too much, not too little) | 1.0 pts  Some comments, but either missing header or too many or too few comments. | 0.0 pts  No comments or header in the source. | | 2.0 pts |
| Readability | |  |  |  | | --- | --- | --- | | 2.0 pts  The code is exceptionally well organized and very easy to follow. | 1.0 pts  The code is fairly easy to read. | 0.0 pts  The code is poorly organized and difficult to read. | | 2.0 pts |
| Efficiency | |  |  |  | | --- | --- | --- | | 2.0 pts  The code is extremely efficient without sacrificing readability and understanding. | 1.0 pts  The code is fairly efficient without sacrificing readability and understanding. | 0.0 pts  The code is huge and appears to be patched together. | | 2.0 pts |
| Wow Me Factor | |  |  | | --- | --- | | 1.0 pts  Extra for experts have been attempted OR it is clear that the student has gone above and beyond the basic version of the assignment. | 0.0 pts  Assignment fulfils the basic requirements, but no extra for experts attempted / not exploring beyond the basics. | | 1.0 pts |
| Total Points: 10.0 | | | |