Numerical Analysis HW 1

January 23, 2018

Consider the following loop:

```
In [ ]: x = 0
        while x!=1:
            x = x+0.1
        print(x)
```

Give some thought to what you think the loop *should* do. *Then*, give it a try on your computer. But *first* be sure to locate the `Shutdown` option under the kernel menu, as well as the `Restart & Clear Output` option.

Questions

1. What do you think is the likely *intention* of the creator of this loop? (Yes, it does look as if I'm expecting you to read my mind.)
2. What *should* the ouput of the loop be?
3. Why does the loop not work as intended?
4. Rewrite the loop so that it works properly.