

Exam 1 Review sheet - Becky Mulcany

- **syntax error**: structure is incorrect, Python will report this before program executes
 - ↳ easiest error to fix
- **runtime error**: appears when prog. runs
 - ex: name, type, zero division errors
- **semantic error**: prog. runs but does not do what you told it to do (aka logic error)
- **memory error**: prog. run out of memory

Types
of errors

- **int()**: convert value into integer
- **python** follows PEMDAS
- use **=** to assign a value to something
- **for loops**: allow us to implement iterations

code
notes

- **range** = gives us sequence of values in a for loop
- **turtle**: data object used to draw pictures
 - * NOTE: always need to import and call ~~two~~ turtle at start of code to use it
- **temporary variables** having changing value assignments throughout code while global does not

name of
funct.

```
[def decorate (str):  
    new_str = '***' + str + '***'  
    return new_str]
```

def: defines function

parameter

new variable defined

sends result of function back to caller