

Writing output

Command Central tells the file to that it needs to write its output

File class

File class contains a Buffer

File class contains a Writer class

File class contains a selftracker that keeps track what subclasses are in the file and the order they are in

Before writing the output each time, the file clears its buffer

Writer is created with when the file class is created

File goes through selftracker and ask every subclass to add their information onto the file buffer

If the subclass doesn't have any subclass within(such as the Include class)

If the subclass does have a subclasses(such as functions)

The Subclass takes in the file buffer as a parameter and adds info to the buffer directly

Function class

Function class contains its own buffer

Function class contains a selftracker that keeps track what subclasses are in the file and the order they are in

before writing the output each time, the function clears its buffer

Function goes through selftracker and ask every subclass to add their information onto the function buffer

If the subclass doesn't have any subclass within(such as the calls class)

If the subclass does have a subclasses(such as nested loops)

The Subclass takes in the file buffer as a parameter and adds info to the buffer directly

Loops and conditions class

Loops and conditions class would contains its own self tracker

Loops and conditions class would then pass the function buffer to every subclass within self tracker

Subclass receives the function buffer and adds its info directly to the buffer

After all subclass within self tracker have submitted their content, function class adds the info within its buffer to the file buffer

File passes the buffer to the writer class and the actual file contents would then be modified