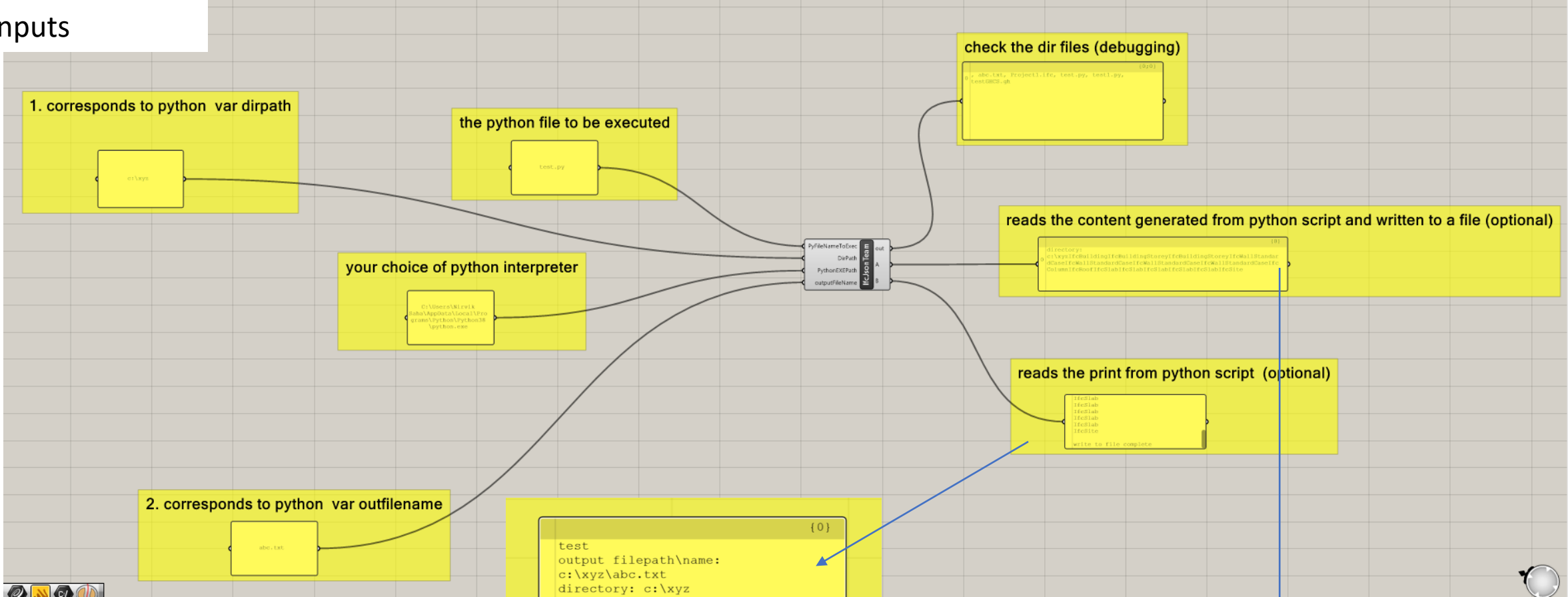


GH inputs



Python inputs

```
File Edit Format Run Options Window Help
import winsound
import ifcopenshell
import json
import os

### set the same dir name in grasshopper
dirpath="C:\\nir_dev\\xyz" # 1. USER - SET I
outfilename = dirpath+"\\abc.txt" # 2. I

#### prints to screen - picked up by c# i
#### write it to intermediate file - pick

### some ifcopenshell functions
ifc_file = ifcopenshell.open(dirpath+"\\Proj
data="directory: "+str(dirpath)+"\n"
products = ifc_file.by_type('ifcProduct')
for prod in products:
```

```
{0}
test
output filepath\name:
c:\xyz\abc.txt
directory: c:\xyz
IfcBuilding
IfcBuildingStorey
IfcBuildingStorey
IfcWallStandardCase
IfcWallStandardCase
IfcWallStandardCase
IfcWallStandardCase
IfcColumn
IfcRoof
IfcSlab
IfcSlab
IfcSlab
IfcSlab
IfcSlab
IfcSite
write to file complete
```

Python runs  
Ifcopenshell  
functions

```
reads the content generated from python s

directory:
c:\xyzIfcBuildingIfcBuildingStoreyIfcBuildingSto
dCaseIfcWallStandardCaseIfcWallStandardCaseIfcWa
ColumnIfcRoofIfcSlabIfcSlabIfcSlabIfcSlabIfcSlab
```

Python runs  
Ifcopenshell  
functions