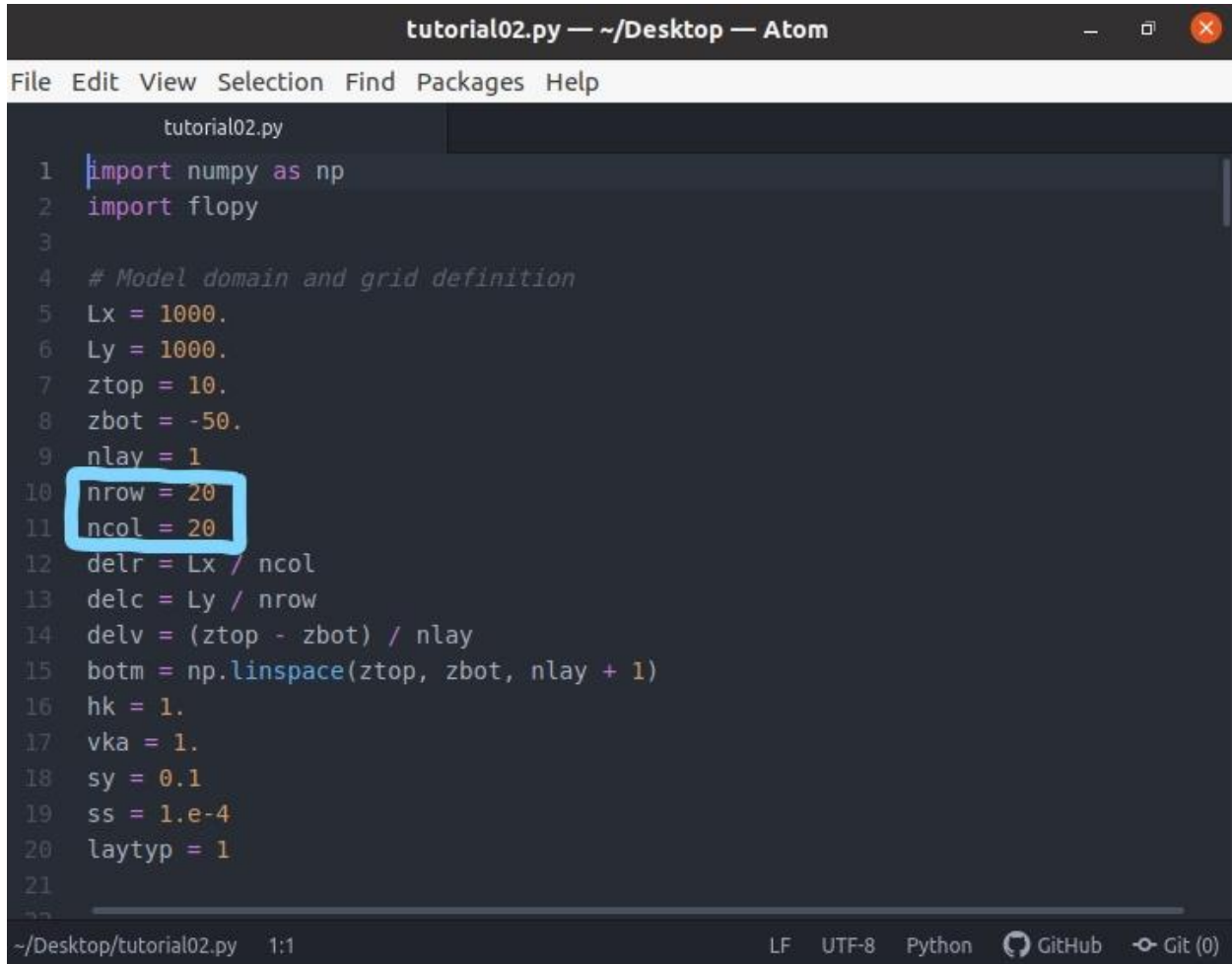


Tutorial to use “tutorial02.py”

Once you have read through step – which is the setup and installation of the python files.

To start of with. This image below should be what you are looking at when you begin editing.



```
tutorial02.py — ~/Desktop — Atom
File Edit View Selection Find Packages Help

tutorial02.py
1 import numpy as np
2 import flopy
3
4 # Model domain and grid definition
5 Lx = 1000.
6 Ly = 1000.
7 ztop = 10.
8 zbot = -50.
9 nlay = 1
10 nrow = 20
11 ncol = 20
12 delr = Lx / ncol
13 delc = Ly / nrow
14 delv = (ztop - zbot) / nlay
15 botm = np.linspace(ztop, zbot, nlay + 1)
16 hk = 1.
17 vka = 1.
18 sy = 0.1
19 ss = 1.e-4
20 laytyp = 1
21
```

What is Circle in blue is the most important piece to creating input because nrow is the amount of rows you will have based on r_flow.txt which is the input for the right facing flow for each cell of the area covered in the aquifer.

Ncol is the amount of columns the graph will have based on f_flow.txt which stores the front facing flows of each cell measured in the area cover in the aquifer.

So right now you are looking at a 20 by 20 grid that consists of 400 cells you will see in the graphs created by project.py

You can change these values to other numbers meaning you can have a 30 by 30 grid consisting of 900 cells and so on.

Once you are done with changing the numbers you can run: `python3 tutorial02.py` in the terminal in the directory `tutorial02.py` is located and you will get new input for `project.py` and pictures consisting of the direction of the flow.