

1. Unzip scobra and rename scobra-master to scobra
2. Delete cobra directory present inside scobra
3. Create a directory in you PC (say at Desktop, directory name 'virtualDir')
4. Install virtualenv
 rahul@rahul-pc:~\$ sudo pip install virtualenv
5. setup virtual working environment with python
 rahul@rahul-pc:~\$ virtualenv Desktop/virtualDir
6. Activate session
 rahul@rahul-pc:~\$ source Desktop/virtualDir/bin/activate
 (virtualDir)rahul@rahul-pc:~\$
7. install iPython
 (virtualDir)rahul@rahul-pc:~\$ pip install ipython
8. Install cobra (this command will install “all” required packages)
 (virtualDir)rahul@rahul-pc:~\$ pip install "cobra[all]"
9. if above command fails, try (may need to install required packages individually)
 (virtualDir)rahul@rahul-pc:~\$ pip install cobra
10. Move scobra to Desktop/virtualDir/lib/python2.7/site-packages/
11. Open /Desktop/virtualDir/lib/python2.7/site-packages/cobra/util/solver.py
 goto line 181
 Enter interface = 'optlang-glpk' (shown below)

```

string
    The name of the interface as a string
"""
if isinstance(interface, ModuleType):
    interface = interface.__name__
interface = 'optlang-glpk'
return re.sub(r"optlang.|.interface", "", interface)

```

goto line 262
 change **elif "optlang-" in solver:** to **if solver:**

Save file

12. Start iPython
 (virtualDir)rahul@rahul-pc:~\$ ipython
13. import scobra
14. Test model
 scobra.SampleProblems.BiomassSyn.TestModel()
 scobra.SampleProblems.BiomassSyn.AllBiomassSyn()
15. Load your model
 m = scobra.ModelTest(PATH)

