

Run UNIX and Python on the cloud

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Why?

- In certain cases, installing UNIX (Ubuntu) on Windows might be challenging
- Cloud is an alternative allowing to run UNIX and Python on any computer regardless of the operating system

Steps

- Open google/gmail account if you don't have one
- Go to <https://colab.research.google.com/>

Google sign-in required

You must be logged in to a Google account to continue.

CANCEL

SIGN IN

Colaboratory - Google

- Allows to use UNIX and Python with no prior installation
- Using Jupyter notebooks
- <https://colab.research.google.com/>

EXAMPLES



RECENT

GOOGLE DRIVE

GITHUB

UPLOAD

Filter notebooks

Title	First opened	Last opened	
 Welcome To Colaboratory	6 minutes ago	0 minutes ago	

NEW PYTHON 3 NOTEBOOK

CANCEL

Run jupyter notebook

test



EXAMPLES



RECENT

GOOGLE DRIVE

GITHUB

UPLOAD

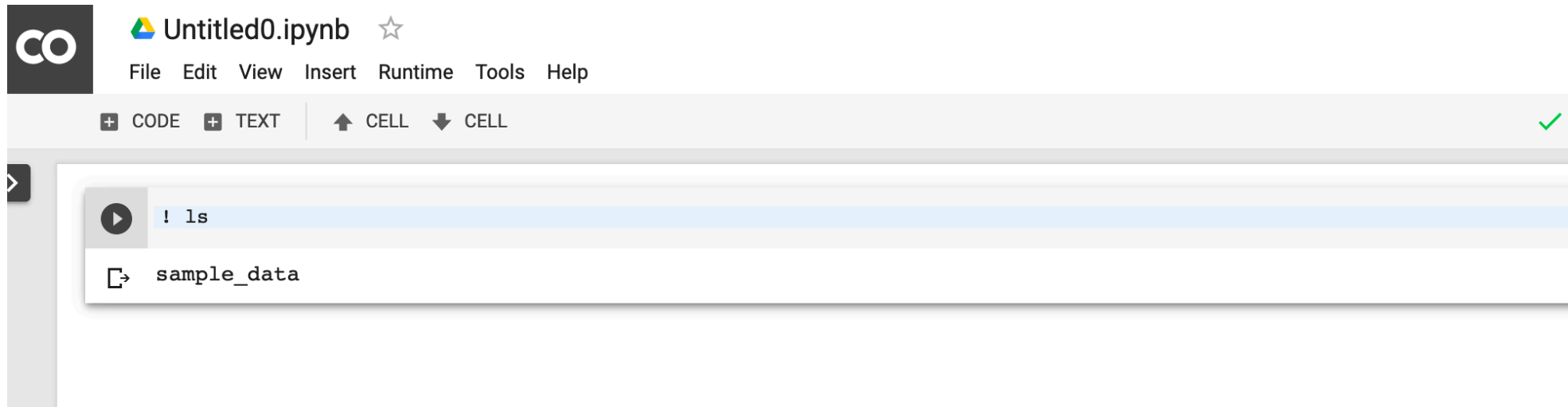
Filter notebooks

Title	First opened	Last opened	
 Welcome To Colaboratory	6 minutes ago	0 minutes ago	

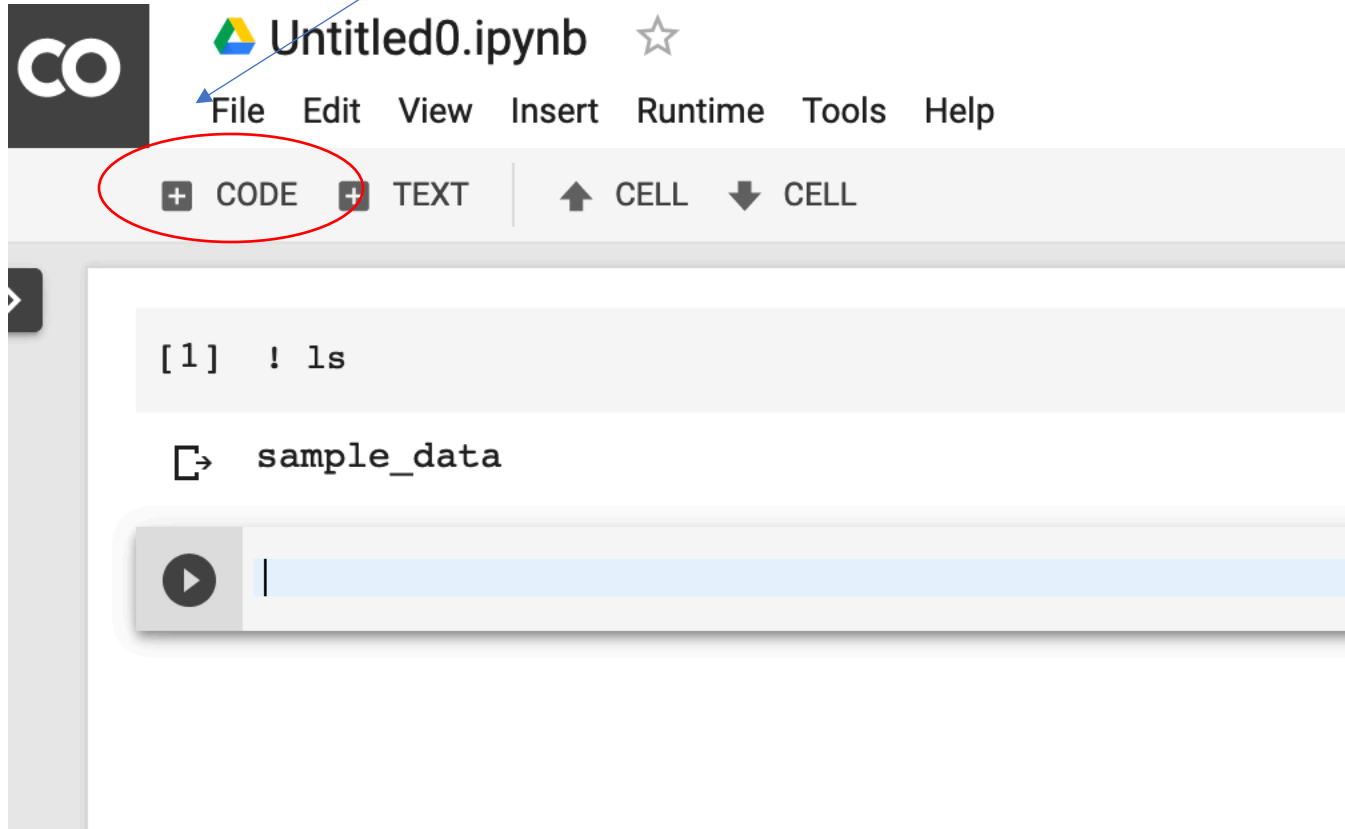
NEW PYTHON 3 NOTEBOOK

CANCEL

Run UNIX command in notebook

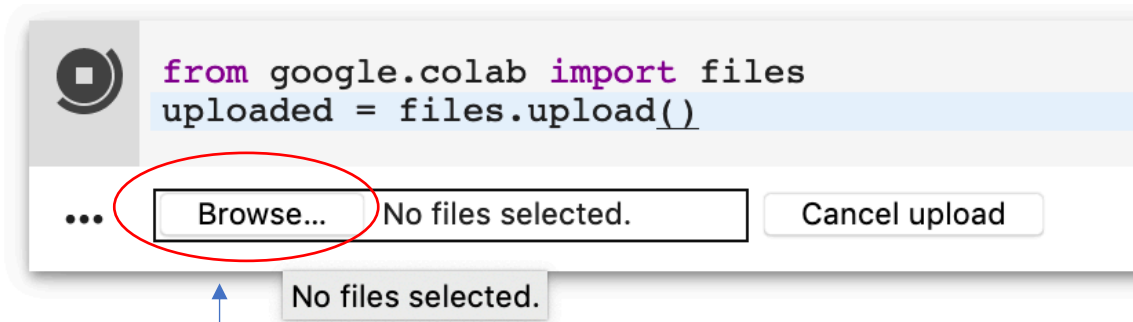


Add new code cell

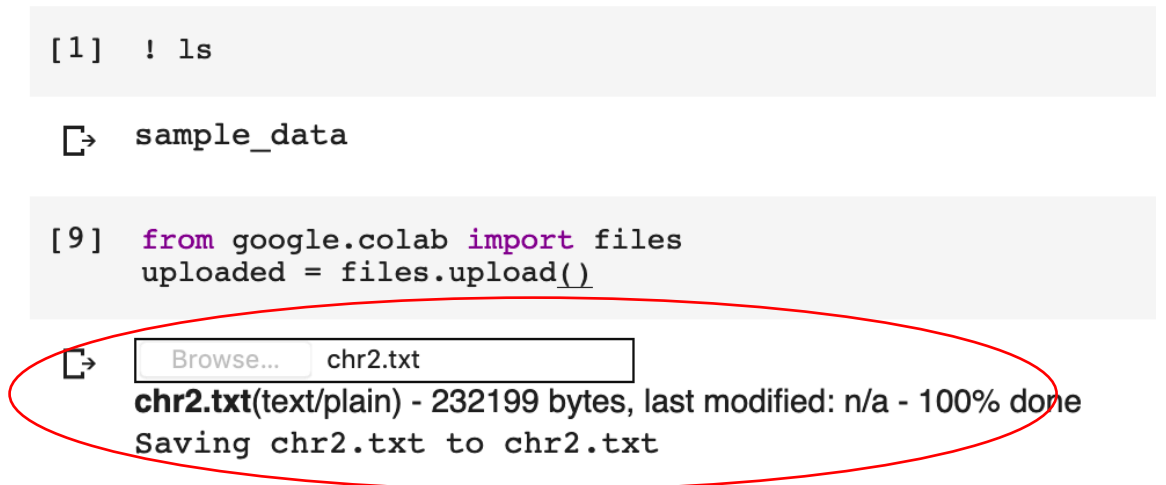


Upload files

```
from google.colab import files; uploaded = files.upload()
```



Select file you want to upload



Confirmation that the file was successfully uploaded

You can use
any UNIX
command

```
[12] ! cat chr2.txt | head
```

```
chr2 hg18_knownGene_GnfAtlas2 exon 31608 31627 0.000000 - .
chr2 hg18_knownGene_GnfAtlas2 exon 35440 36385 0.000000 - .
chr2 hg18_knownGene_GnfAtlas2 exon 229563 232178 0.000000 - .
chr2 hg18_knownGene_GnfAtlas2 exon 208155 209001 0.000000 - .
chr2 hg18_knownGene_GnfAtlas2 exon 214864 214920 0.000000 - .
chr2 hg18_knownGene_GnfAtlas2 exon 219966 220044 0.000000 - .
chr2 hg18_knownGene_GnfAtlas2 exon 221023 221191 0.000000 - .
chr2 hg18_knownGene_GnfAtlas2 exon 223101 223229 0.000000 - .
chr2 hg18_knownGene_GnfAtlas2 exon 224160 224272 0.000000 - .
chr2 hg18_knownGene_GnfAtlas2 exon 237538 237602 0.000000 - .
```