

# CBG Exercises

## Setting up Anaconda3:

1. Open a 'screen' with session name 'anaconda3'

```
$ screen -S anaconda3
```

2. Make a directory in your home folder with the name, 'software'

```
$ cd  
$ mkdir software  
$ cd software
```

3. Copy the link address to the command line installer based on MacOS/Linux

Go to this [page](#) to find the right link

4. Download the binary anaconda3 installer using:

For Linux (if you have WSL installed):

```
$ wget https://repo.anaconda.com/archive/Anaconda3-2020.07-Linux-x86\_64.sh
```

For MacOS:

```
$ wget https://repo.anaconda.com/archive/Anaconda3-2020.07-MacOSX-x86\_64.sh
```

For Windows:

Click on this [link](#) to download a executable

5. To install it, do  

```
$ bash *.sh
```
6. During the installation, when it prompts to specify the folder where Anaconda3 should be installed, give '~/software/anaconda3' as the input
7. Do not give permission to the Anaconda3 to initialize conda
8. Create alias for both python3 and jupyter notebook launcher  

```
$ cd ~/software/anaconda3/bin  
$pwd
```

Make sure, you have .bashrc file in your home directory, by using

```
$ ls .bashrc
```

```
$ vi .bashrc
```

Insert the following lines

```
alias py3='/path/to/software/anaconda3/bin/python3'
```

```
alias jupyter3='/path/to/software/anaconda3/bin/jupyter-notebook'
```

9. Delete the command line installer

```
$ cd ~/software/
```

```
$ rm -rf *.sh
```

## Create a git repo

This is where you can store all the solutions, relevant references and resources

Go to your github page and create a new repo with name, MAW-2020

Copy the SSH-RSA Key to your git repo

Open your terminal and do

```
$ cat ~/.ssh/id_rsa.pub
```

If nothing shows up, run the following command

```
$ ssh-keygen -t rsa -b 4096 -C "your\_email@example.com"
```

Now do,

```
$ cat ~/.ssh/id_rsa.pub
```

Copy-paste the output into your git account under settings and 'add SSH key'

Now, clone the MAW-2020 repo to your laptop using the terminal

```
$ git clone <link to the repository>
```