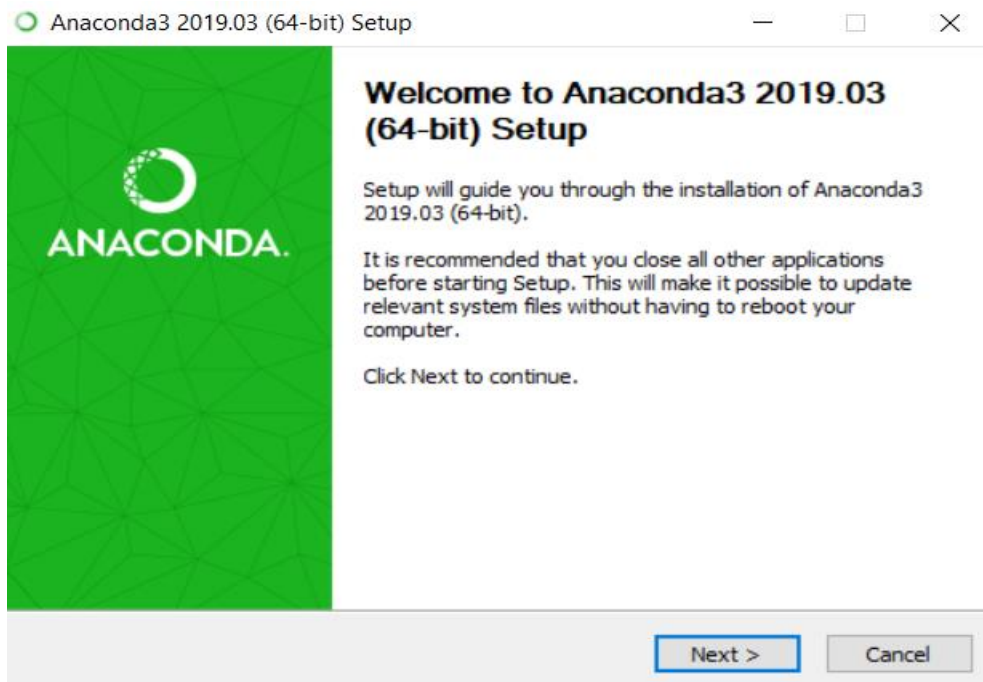
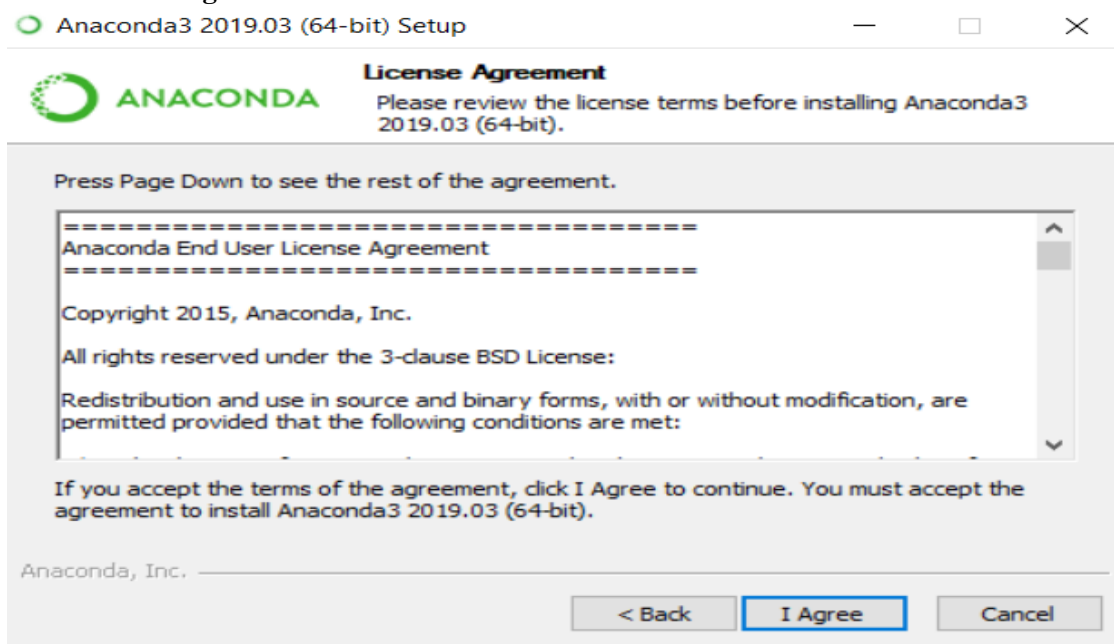


## Tutorial Instalasi Anaconda + R Kernel

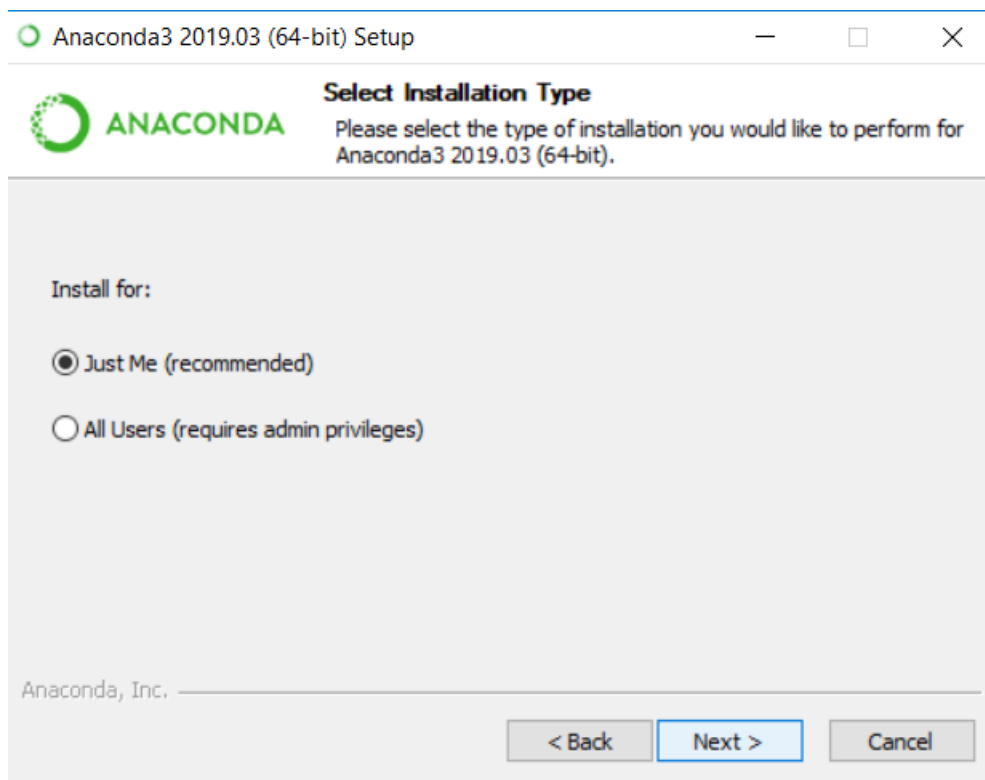
1. Run file instalasi. Kemudian akan muncul window seperti ini, klik **Next >**



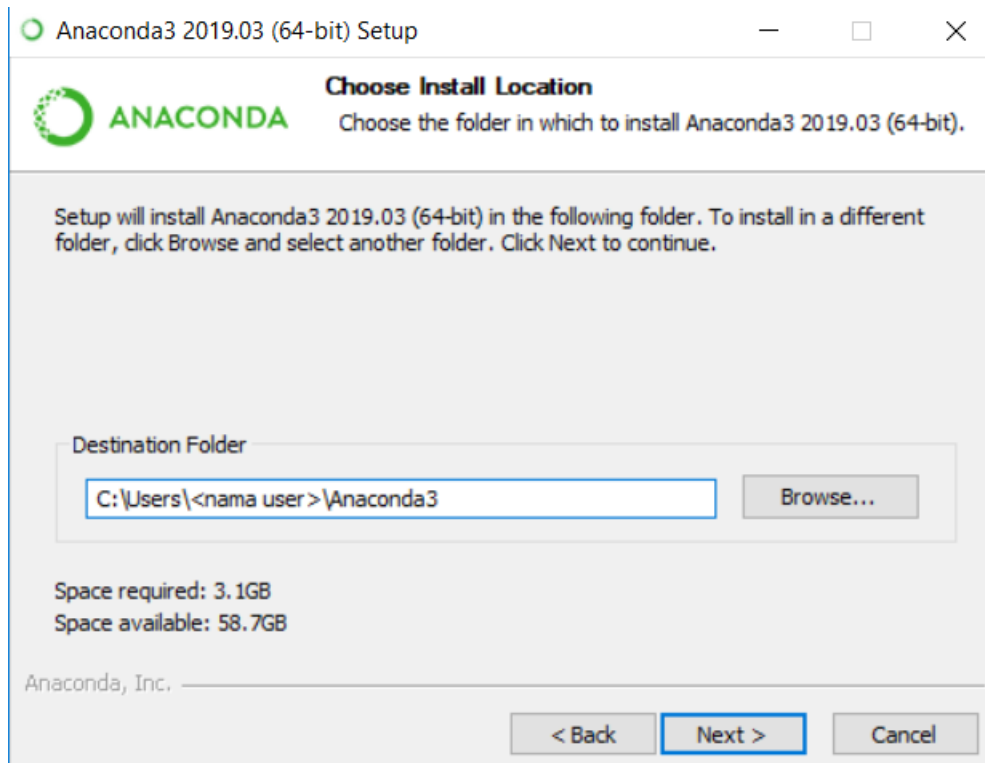
2. Klik **I Agree**



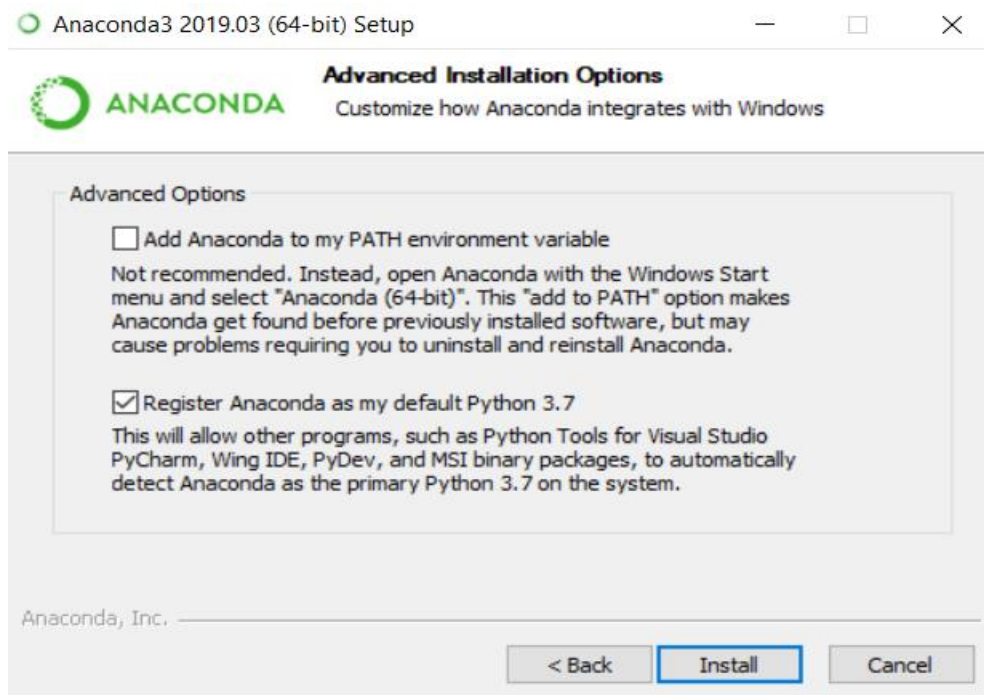
3. Pilih **Just Me (recommended)**, klik **Next >**



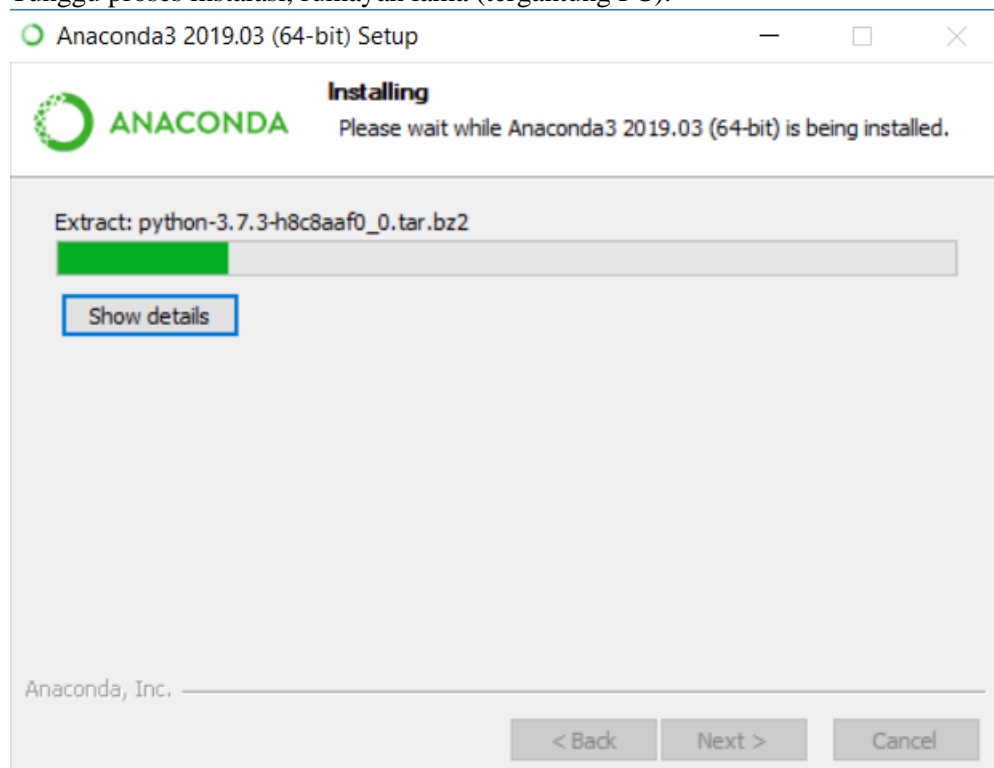
4. Atur folder instalasi. Normalnya, C:\Users\Nama Users\Anaconda3 (Tidak di otak-atik). Klik **Next >**



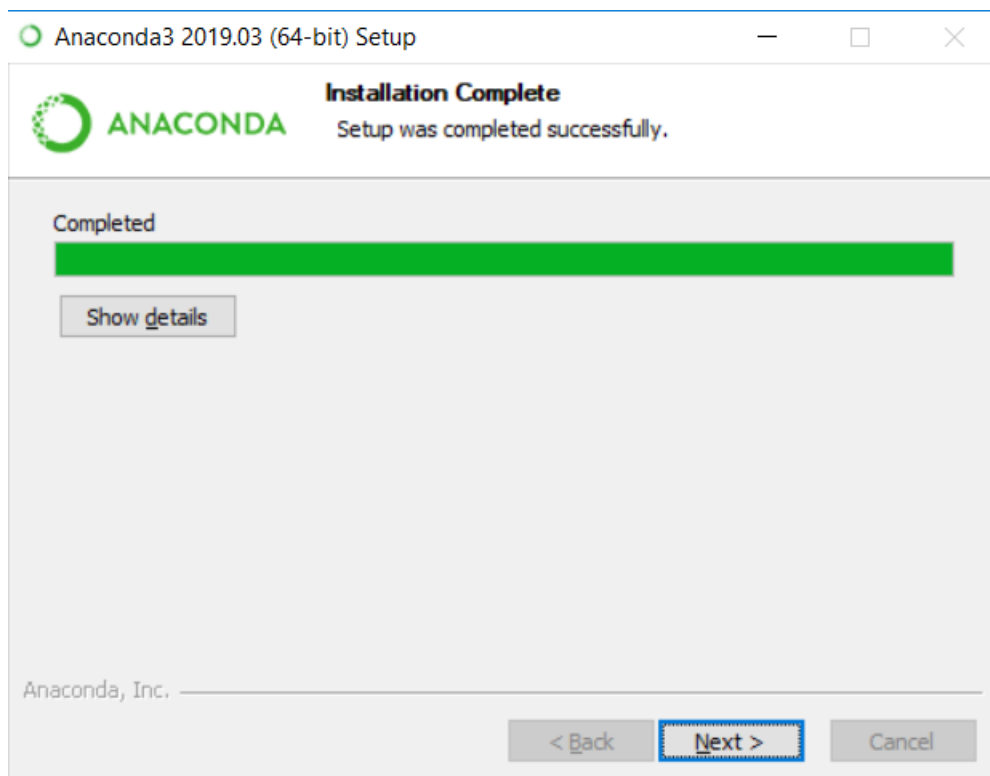
5. Checklist hanya yang bawah (yang opsi kedua dari atas). Kemudian klik **Install**



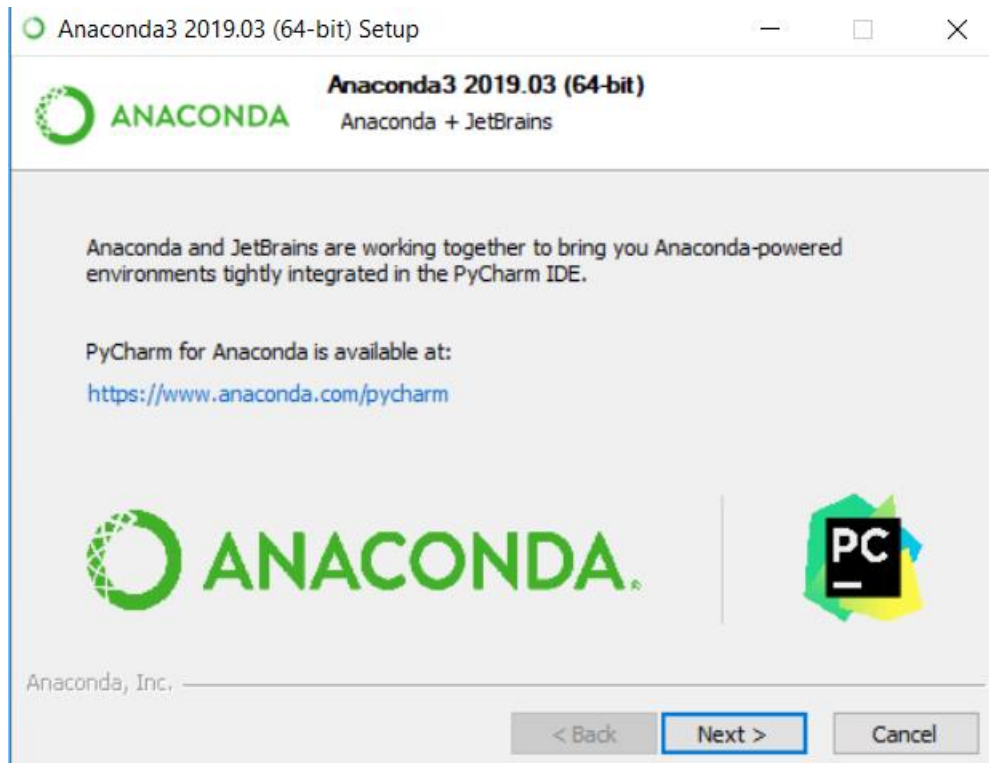
6. Tunggu proses instalasi, lumayan lama (tergantung PC).



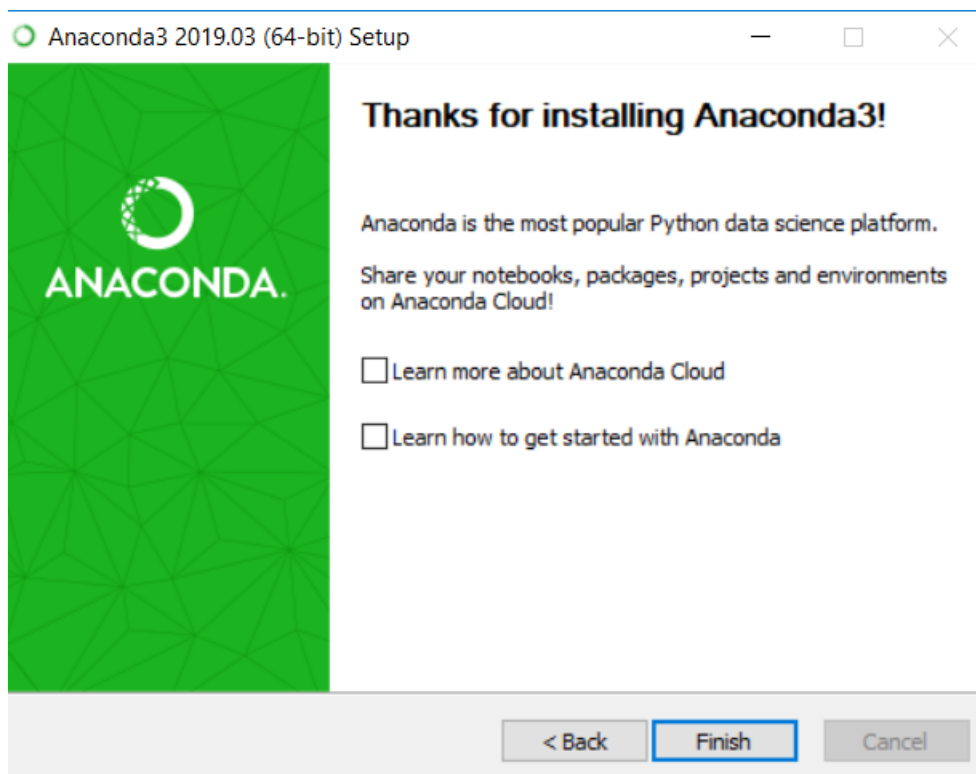
7. Instalasi yang selesai akan seperti ini. Klik **Next >**



8. Klik **Next >**



9. Uncheck kedua pilihan hingga seperti dibawah. Kemudian klik **Finish**..



10. Anaconda telah terinstal di PC Anda. Langkah selanjutnya adalah menginstal R didalam environment Anaconda, sebab Anaconda defaultnya hanya ada Bahasa pemrograman Python. Caranya kita perlu membuka **Anaconda Prompt**, dengan cara:

- a. Windows → Search → Anaconda Prompt
- b. Masuk ke directory:

C:\Users\NAMA PC MU\AppData\Roaming\Microsoft\Windows\Start  
Menu\Programs\Anaconda3 (64-bit)

Ganti “NAMA PC MU” dengan nama PC yang terinstal. Kemudian, jalankan aplikasi ‘**Anaconda Prompt**’ disana.

Setelah terbuka, tampilannya akan seperti ini:



Kemudian kita akan membuat Environment baru Anaconda kita untuk instalasi R. Nama environment yang dicontohkan adalah **r\_env2**, ketik code dibawah ini: (Copy paste saja)

➔ `conda create -n r_env2 r-essentials r-base`

\* untuk **r\_env2** bisa diganti dengan nama yang kalian inginkan (ini adalah nama environment dalam Anaconda yang kemudian menjadi key dalam membuka R di jupyter notebook nanti)

```
Anaconda Prompt - conda create -n r_env2 r-essentials r-base

(base) C:\Users\mrbon>cd ..

(base) C:\Users>D:

(base) D:\>conda create -n r_env2 r-essentials r-base
WARNING: The conda.compat module is deprecated and will be removed in a future release.
Collecting package metadata: done
Solving environment: done

==> WARNING: A newer version of conda exists. <==
  current version: 4.6.11
  latest version: 4.6.14

Please update conda by running

  $ conda update -n base -c defaults conda

## Package Plan ##

  environment location: D:\Tes_Anaconda\envs\r_env2

  added / updated specs:
    - r-base
    - r-essentials


r-viridislite      pkgs/r/win-64::r-viridislite-0.3.0-r351hf348343_0
r-whisker          pkgs/r/win-64::r-whisker-0.3.2-r351h6f4ce42_4
r-withr           pkgs/r/win-64::r-withr-2.1.2-r351hf348343_0
r-xfun            pkgs/r/win-64::r-xfun-0.3-r351hf348343_0
r-xml2            pkgs/r/win-64::r-xml2-1.2.0-r351hf348343_0
r-xtable          pkgs/r/win-64::r-xtable-1.8.2-r351hf348343_0
r-xts             pkgs/r/win-64::r-xts-0.11.0-r351h6f4ce42_0
r-yaml            pkgs/r/win-64::r-yaml-2.2.0-r351hf348343_0
r-zoo             pkgs/r/win-64::r-zoo-1.8.3-r351h6f4ce42_0
send2trash        pkgs/main/win-64::send2trash-1.5.0-py37_0
setuptools        pkgs/main/win-64::setuptools-41.0.1-py37_0
six               pkgs/main/win-64::six-1.12.0-py37_0
sqlite            pkgs/main/win-64::sqlite-3.28.0-he774522_0
terminado         pkgs/main/win-64::terminado-0.8.2-py37_0
testpath          pkgs/main/win-64::testpath-0.4.2-py37_0
tornado           pkgs/main/win-64::tornado-6.0.2-py37he774522_0
traitlets         pkgs/main/win-64::traitlets-4.3.2-py37_0
vc                pkgs/main/win-64::vc-14.1-h0510ff6_4
vs2015_runtime    pkgs/main/win-64::vs2015_runtime-14.15.26706-h3a45250_4
wcwidth           pkgs/main/win-64::wcwidth-0.1.7-py37_0
webencodings      pkgs/main/win-64::webencodings-0.5.1-py37_1
wheel             pkgs/main/win-64::wheel-0.33.4-py37_0
wincertstore      pkgs/main/win-64::wincertstore-0.2-py37_0
winpty            pkgs/main/win-64::winpty-0.4.3-4
zeromq            pkgs/main/win-64::zeromq-4.3.1-h33f27b4_3

Proceed ([y]/n)? [y]
Invalid choice: [y]
Proceed ([y]/n)? y
```

Akan tampil sederetan package dan dependensi yang akan di install agar R dapat berjalan di environment Anaconda. Normally ada sekitar 280 – 300 MB yang perlu di download/install. Kemudian, nanti akan muncul pilihan **Proceed ([y]/n)?** Ketiklah “y” tanpa bracket, polos.

## 11. Proses download dan instalasi sedang berjalan, harap tunggu.

```
Anaconda Prompt - conda create -n r_env2 r-essentials r-base

Invalid choice: [y]
Proceed ([y]/n)? y

Downloading and Extracting Packages
r-evaluate-0.11      | 81 KB | ##### | 100%
terminado-0.8.2     | 22 KB | ##### | 100%
m2w64-gettext-0.19.7 | 4.2 MB | ##### | 100%
pygments-2.4.0      | 664 KB | ##### | 100%
r-base64enc-0.1_3   | 39 KB | ##### | 100%
r-markdown-0.8      | 144 KB | ##### | 100%
r-gtable-0.2.0      | 96 KB | ##### | 100%
r-munsell-0.5.0     | 253 KB | ##### | 100%
r-spatial-7.3_11   | 154 KB | ##### | 100%
m2w64-libxml2-2.9.3 | 2.1 MB | ##### | 100%
r-later-0.7.3       | 92 KB | ##### | 100%
m2w64-tcl-8.6.5     | 3.9 MB | ##### | 100%
r-timedate-3043.102 | 1.5 MB | ##### | 100%
python-3.7.3        | 17.8 MB | ##### | 100%
m2w64-zlib-1.2.8    | 197 KB | ##### | 100%
r-clipr-0.4.1       | 43 KB | ##### | 100%
r-kernsmooth-2.23_15 | 107 KB | ##### | 100%
r-bindrcpp-0.2.2    | 91 KB | ##### | 100%
r-irdisplay-0.5.0   | 37 KB | ##### | 100%
r-tidyr-0.8.1       | 452 KB | ##### | 100%
r-readxl-1.1.0      | 849 KB | ##### | 100%
r-foreign-0.8_71    | 274 KB | ##### | 100%
r-nnet-7.3_12       | 128 KB | ##### | 100%
m2w64-libjpeg-turbo- | 656 KB | ##### | 100%
r-knitr-1.20        | 1.1 MB | ##### | 45%

m2w64-libvorbis-1.3. | 480 KB | ##### | 100%
r-hexbin-1.27.2      | 886 KB | ##### | 100%
ipython-7.5.0        | 1.1 MB | ##### | 100%
r-whisker-0.3_2      | 70 KB | ##### | 100%
r-magic-1.5.8        | 612 KB | ##### | 100%
r-randomforest-4.6_1 | 239 KB | ##### | 100%
r-recommended-3.5.1  | 3 KB | ##### | 100%
r-selectr-0.4_1      | 372 KB | ##### | 100%
r-promises-1.0.1     | 179 KB | ##### | 100%
r-http-1.3.1         | 465 KB | ##### | 100%
m2w64-libconv-1.14   | 1.5 MB | ##### | 100%

Preparing transaction: done
Verifying transaction: done
Executing transaction: \ DEBUG menuinst_win32: __init__(199): Menu: name: 'Anaconda${PY_VER} ${PLATFORM}', prefix: 'D:\Tes_Anaconda\envs\r_env2', env_name: 'r_env2', mode: 'user', used_mode: 'user'
DEBUG menuinst_win32:create(323): Shortcut cmd is D:\Tes_Anaconda\python.exe, args are ['D:\Tes_Anaconda\cwp.py', 'D:\Tes_Anaconda\envs\r_env2', 'D:\Tes_Anaconda\envs\r_env2\python.exe', 'D:\Tes_Anaconda\envs\r_env2\Scripts\jupyter-notebook-script.py', '%USERPROFILE%\']
done
#
# To activate this environment, use
#
#     $ conda activate r_env2
#
# To deactivate an active environment, use
#
#     $ conda deactivate
#

(base) D:\>
```



12. Ketika sudah selesai, aka nada tulisan “To activate this environment, use .... Dst.” Maka, kita akan mulai menggunakan R di jupyter notebook melalui environment anaconda yang baru kita buat. Caranya, ketik code berikut (Setiap tab, run terpisah ya, jangan disatuin codenya):

→ conda activate r\_env2  
→ jupyter notebook

Seperti berikut:

```
(base) D:\>conda activate r_env2

(r_env2) D:\>jupyter notebook
[I 20:32:36.008 NotebookApp] Serving notebooks from local directory: D:\
[I 20:32:36.008 NotebookApp] The Jupyter Notebook is running at:
[I 20:32:36.011 NotebookApp] http://localhost:8888/
[I 20:32:36.012 NotebookApp] Use Control-C to stop this server and shut down all kernels (twice to skip confirmation).
[I 20:32:37.491 NotebookApp] 302 GET /tree (::1) 1.47ms
[I 20:32:40.351 NotebookApp] 302 POST /login?next=%2Ftree (::1) 0.99ms
```

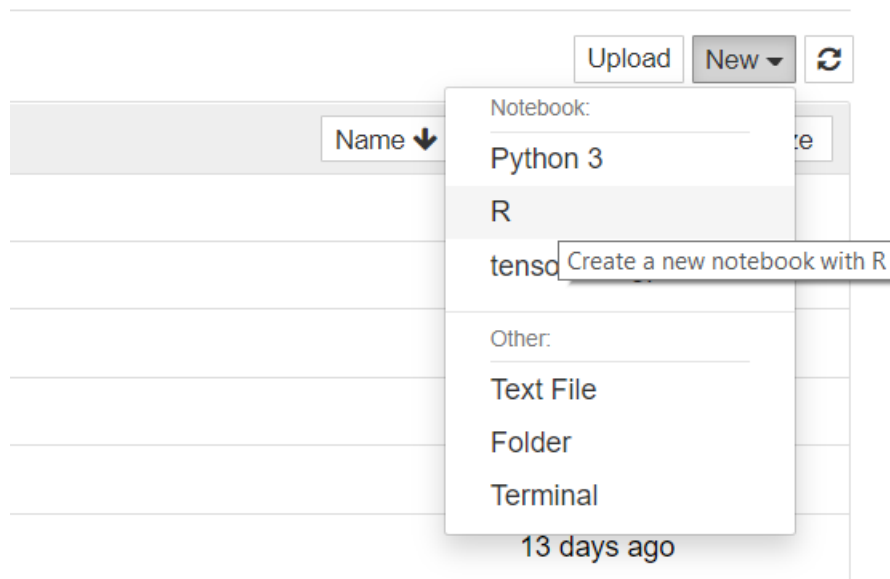
14. Jupyter notebook akan terbuka di tab browser default Anda sebagai berikut. Tampilannya, ada folder, file, dll.



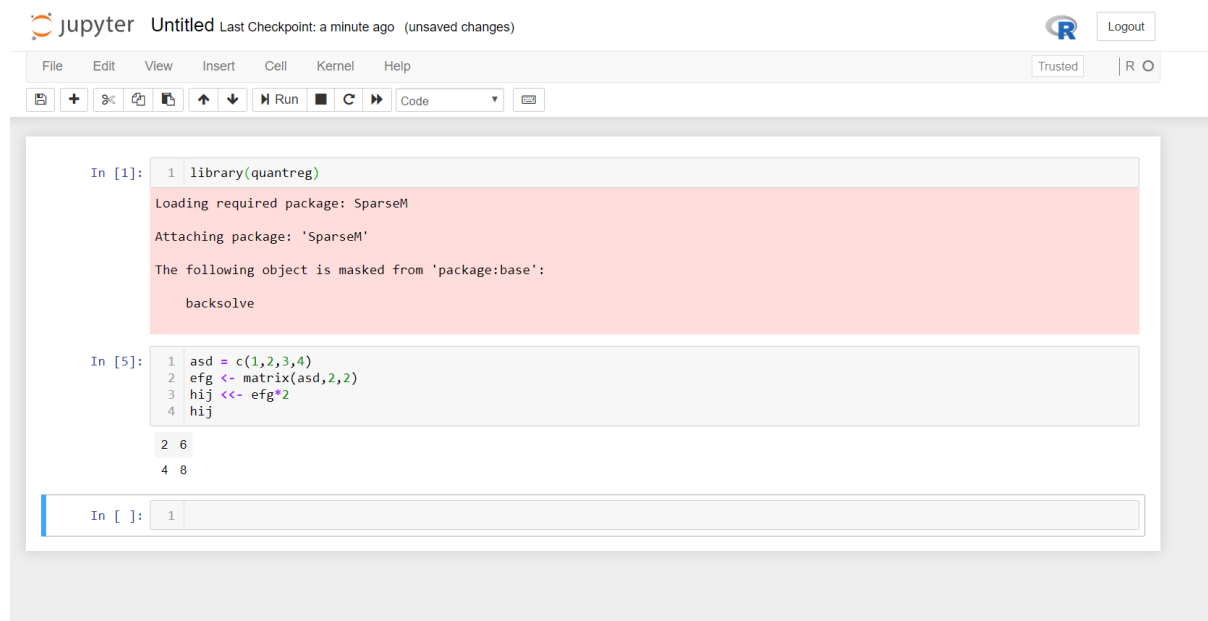
The screenshot shows the Jupyter Notebook web interface. At the top, there's a header with the Jupyter logo and 'Quit' and 'Logout' buttons. Below the header, there are tabs for 'Files', 'Running', and 'Clusters'. The 'Files' tab is selected, showing a file browser. The file browser has a search bar and buttons for 'Upload', 'New', and 'Refresh'. A large red rectangle obscures the file names, but the 'Last Modified' column is visible, showing various time intervals like '13 days ago', '4 months ago', '2 days ago', etc.



15. Untuk membuat kernel R, klik bagian pojok kanan atas yang tulisan “New”, kemudian klik R (Abaikan pilihan lainnya).



16. Jupyter Notebook dengan kernel R sudah dapat dioperasikan!



\*Setelah selesai penggunaan, silahkan klik tombol Logout di pojok kanan atas (sebelah logo R)

**Ada masalah dalam instalasi? Silahkan buka beberapa link pilihan dibawah ini:**

<https://docs.anaconda.com/anaconda/navigator/tutorials/r-lang/>

<https://medium.com/@kyleake/how-to-install-r-in-jupyter-with-irkernel-in-3-steps-917519326e41>

<https://www.youtube.com/watch?v=SXBxKe8sK6I>

**Masih error juga? Google sendiri ya h3h3**