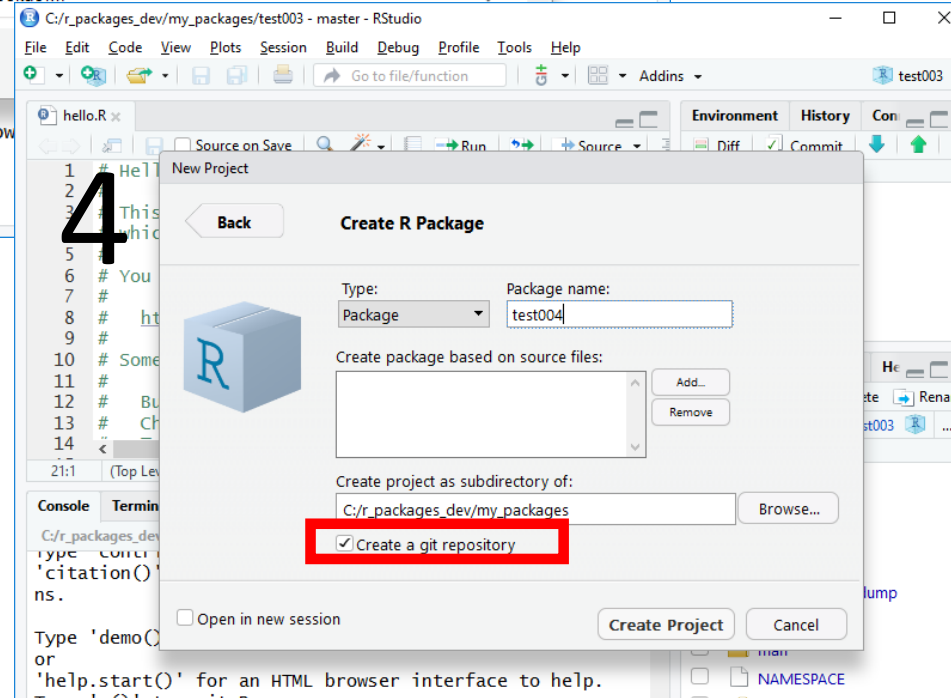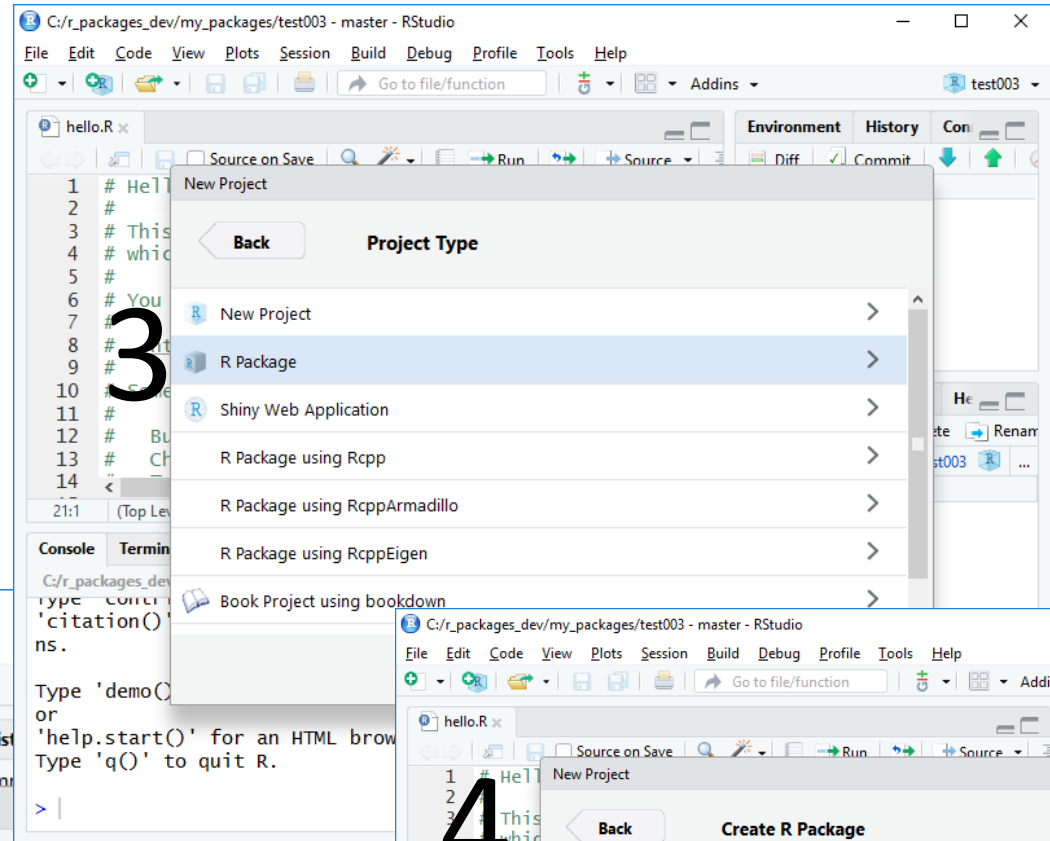# Download / install:
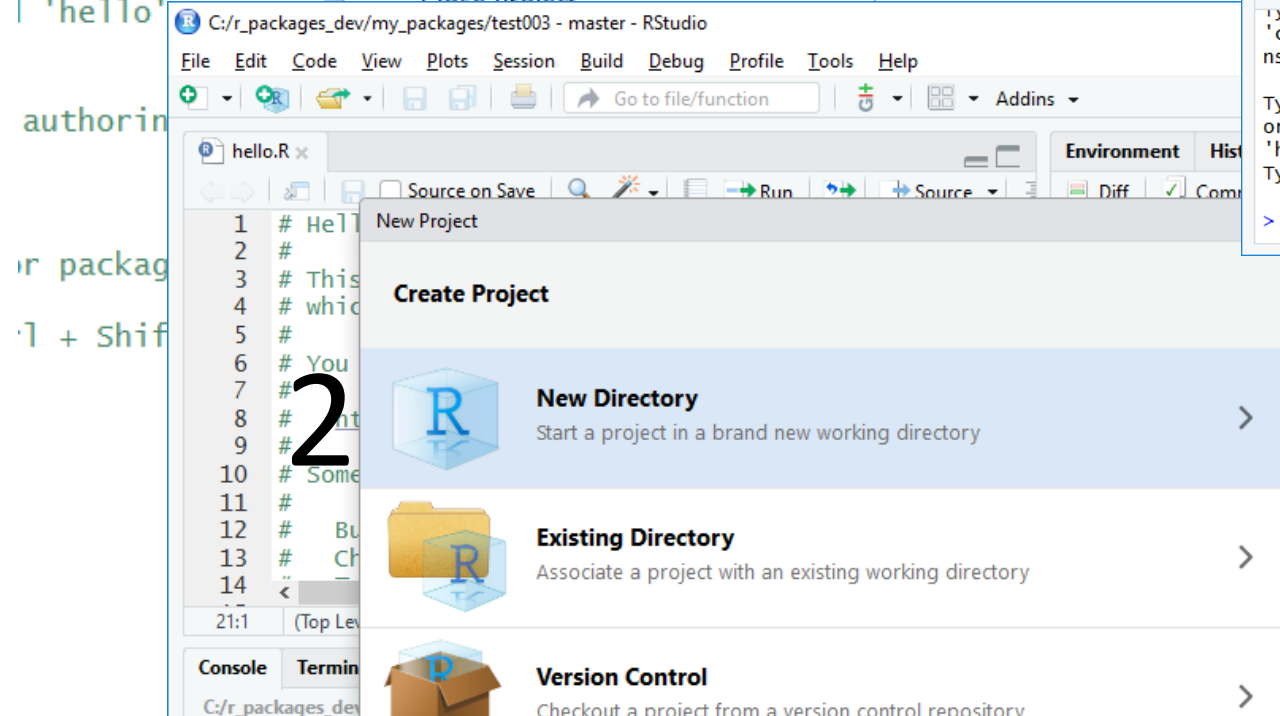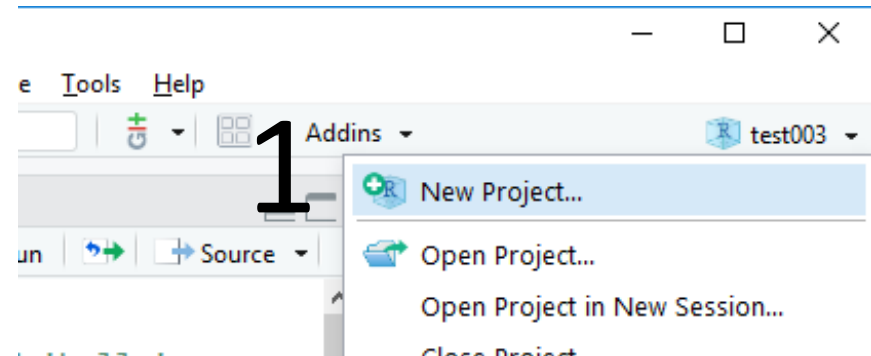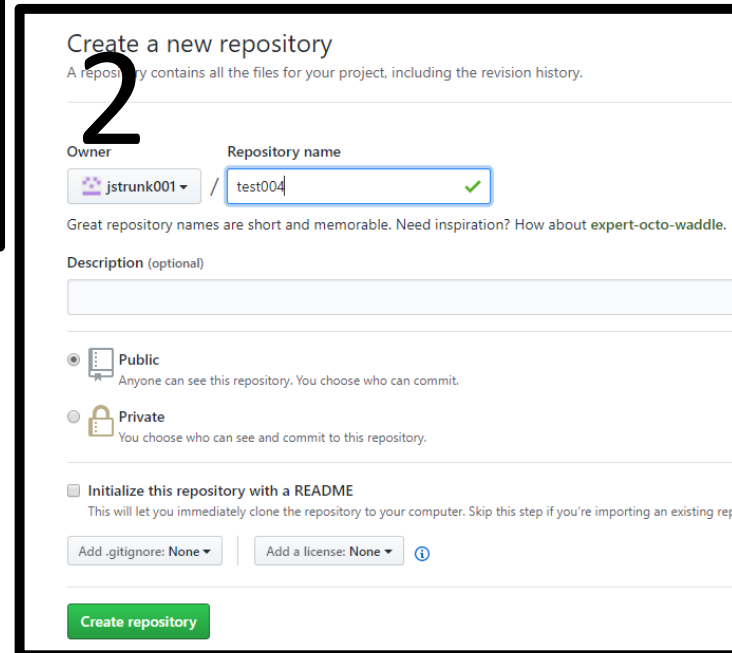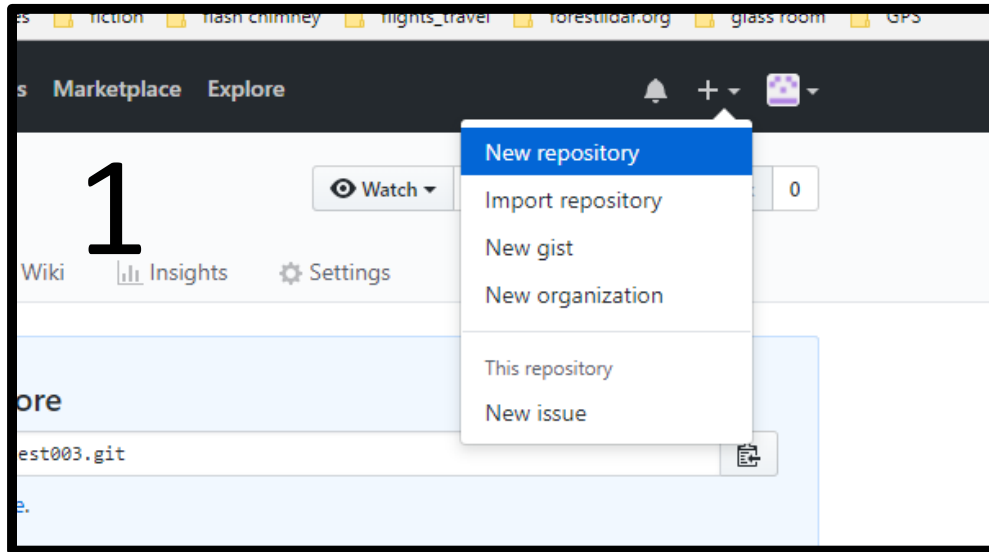
- R
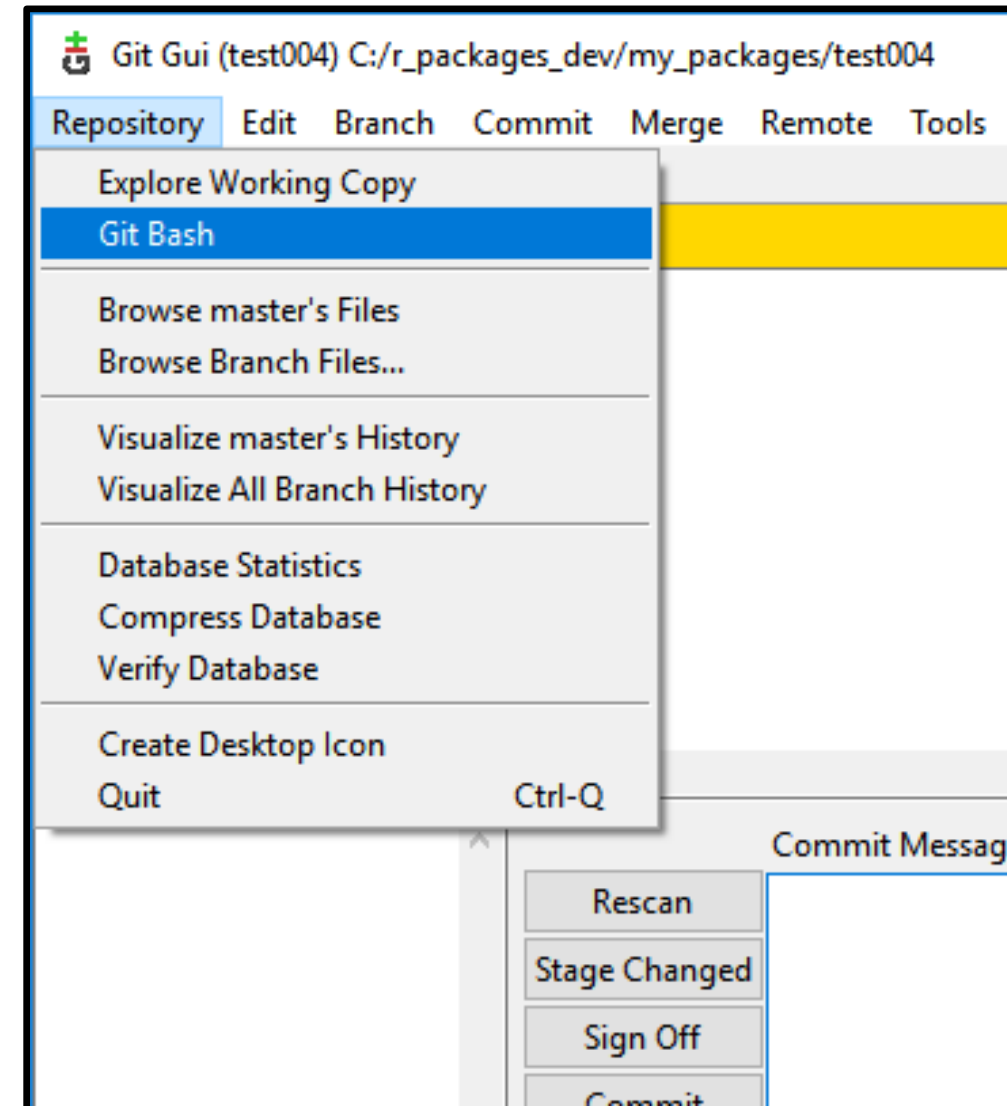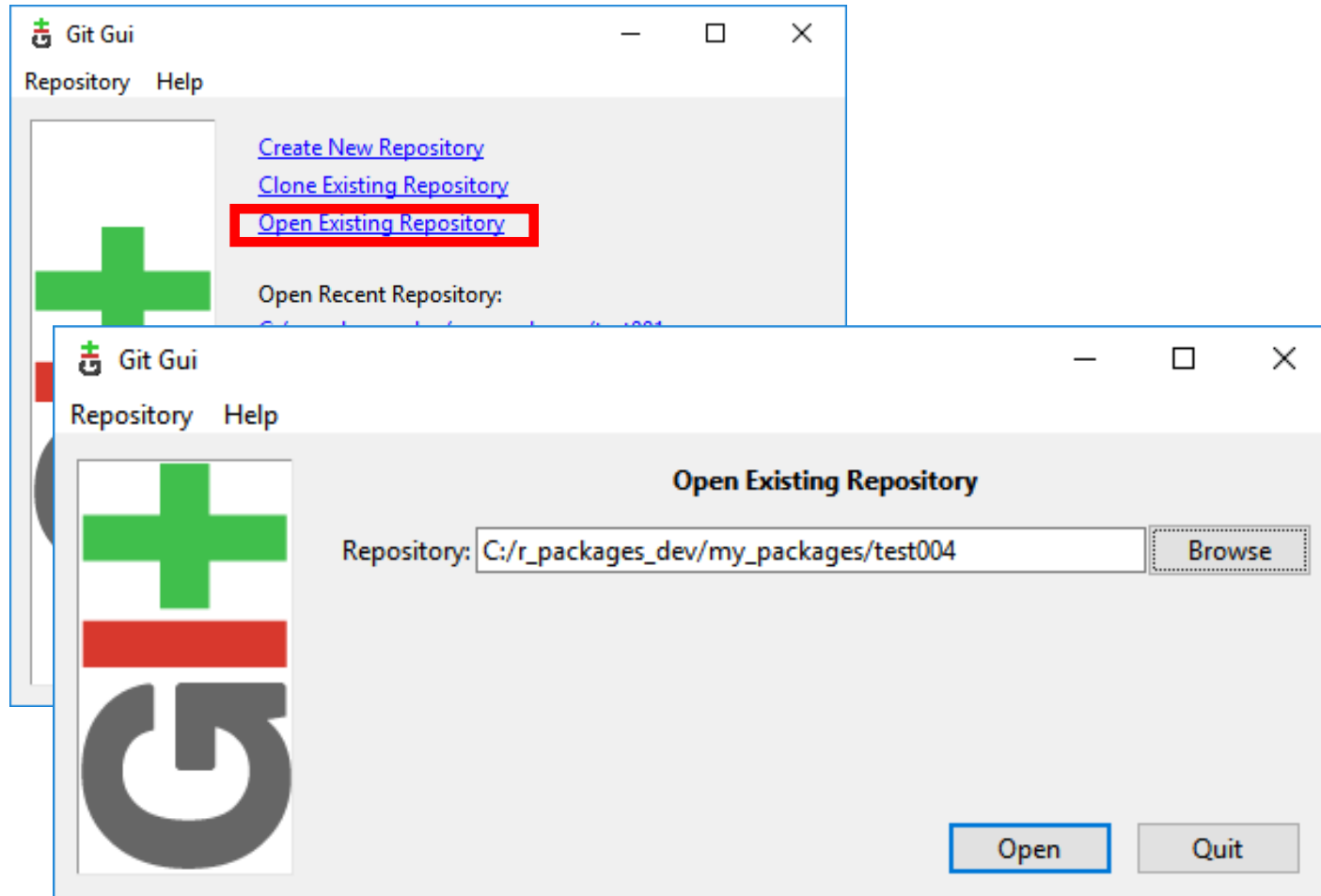- RStudio
- Git
- Miktex

Create GitHub Account

1) "Create new package" in RStudio

2) Create GitHub Repository
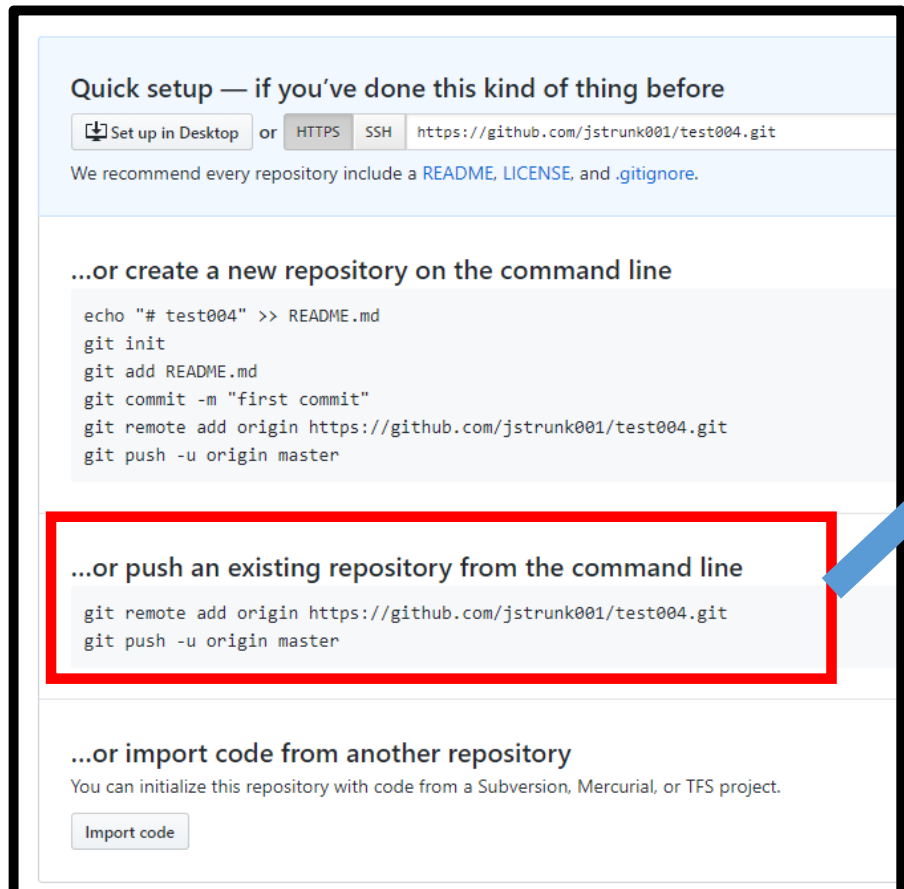# (Assuming you have an account already)

3) Open git GUI, git BASH

4) Link git & GitHub

Recall

Quick setup — if you've done this kind of thing before

[Set up in Desktop] or [HTTPS] [SSH] https://github.com/jstrunk001/test004.git

We recommend every repository include a README, LICENSE, and .gitignore.

...or create a new repository on the command line

```
echo "# test004" >> README.md
git init
git add README.md
git commit -m "first commit"
git remote add origin https://github.com/jstrunk001/test004.git
git push -u origin master
```
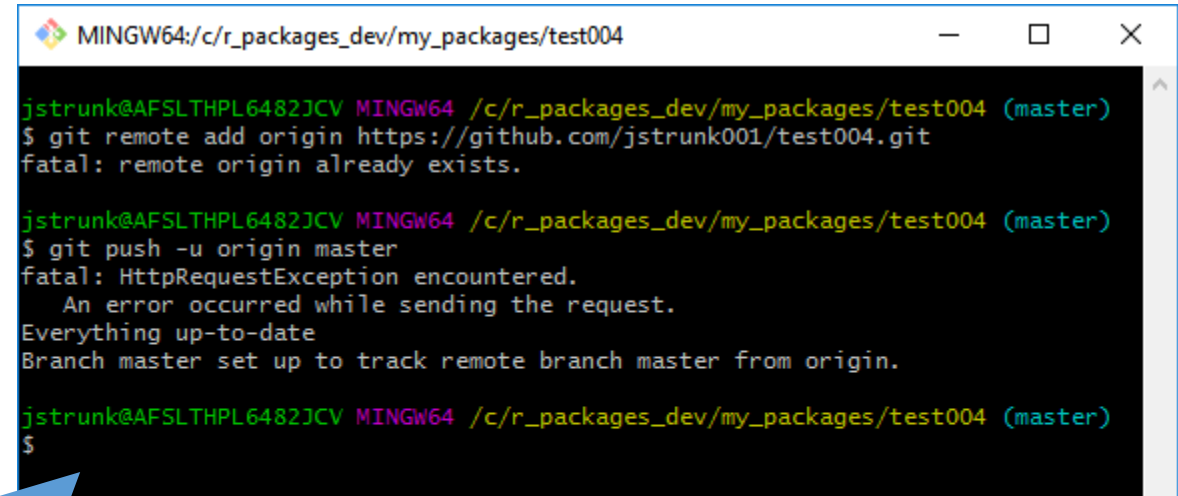
...or push an existing repository from the command line

```
git remote add origin https://github.com/jstrunk001/test004.git
git push -u origin master
```

...or import code from another repository

You can initialize this repository with code from a Subversion, Mercurial, or TFS project.
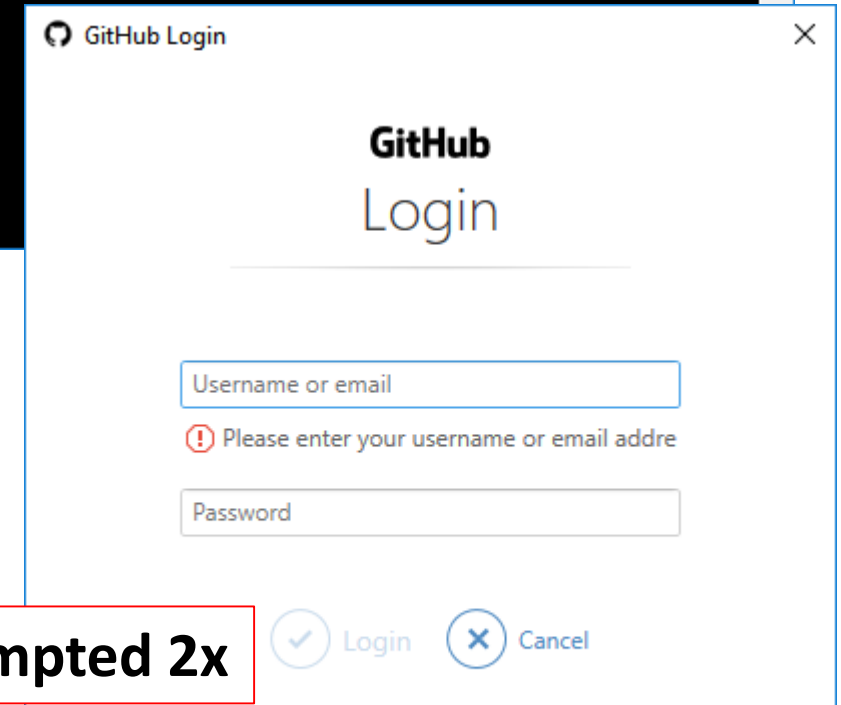
[Import code]

MINGW64:/c/r_packages_dev/my_packages/test004

```
jstrunk@AFSLTHPL6482JCV MINGW64 /c/r_packages_dev/my_packages/test004 (master)
$ git remote add origin https://github.com/jstrunk001/test004.git
fatal: remote origin already exists.

jstrunk@AFSLTHPL6482JCV MINGW64 /c/r_packages_dev/my_packages/test004 (master)
$ git push -u origin master
fatal: HttpRequestException encountered.
    An error occurred while sending the request.
Everything up-to-date
Branch master set up to track remote branch master from origin.

jstrunk@AFSLTHPL6482JCV MINGW64 /c/r_packages_dev/my_packages/test004 (master)
$
```

GitHub Login

GitHub
Login

Username or email

⊘ Please enter your username or email addre

Password

✓ Login   ✕ Cancel
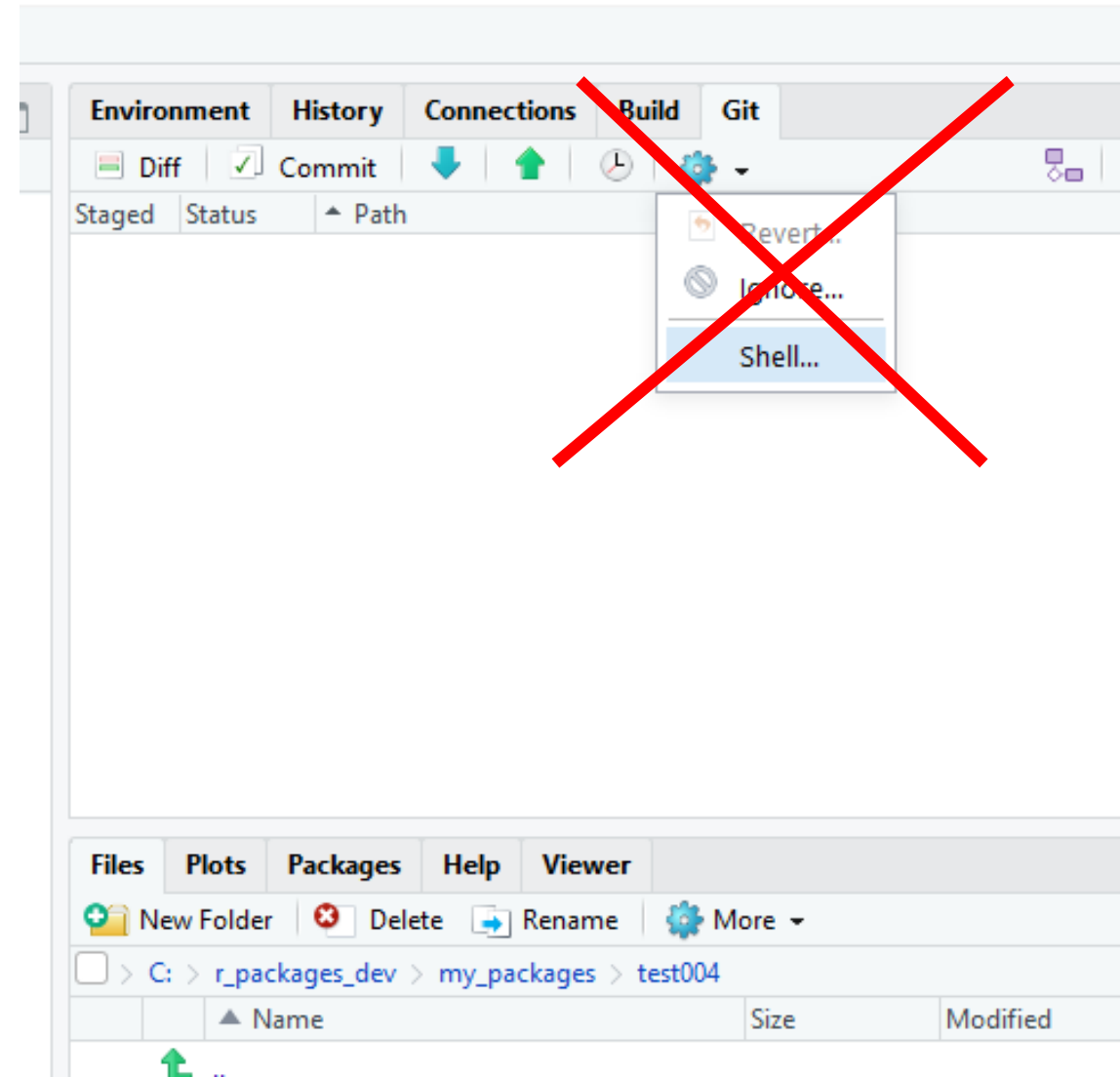
May be prompted 2x

Connection Successful
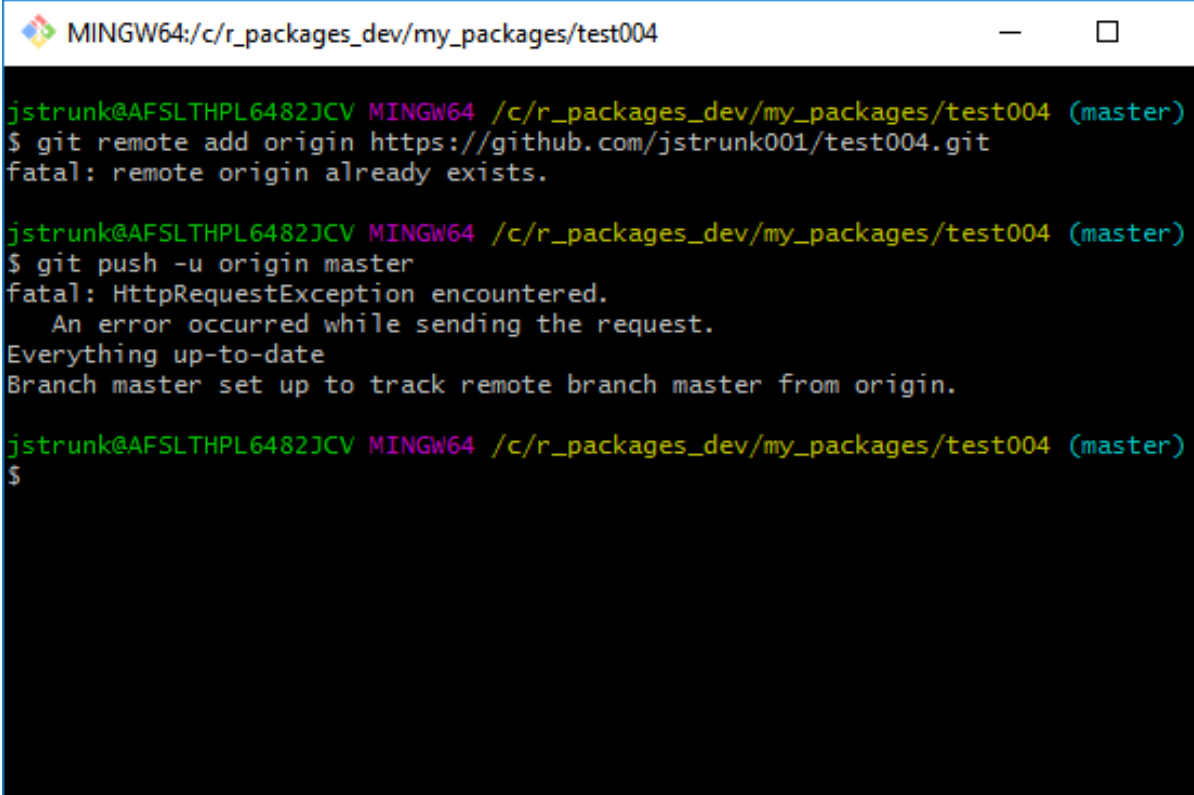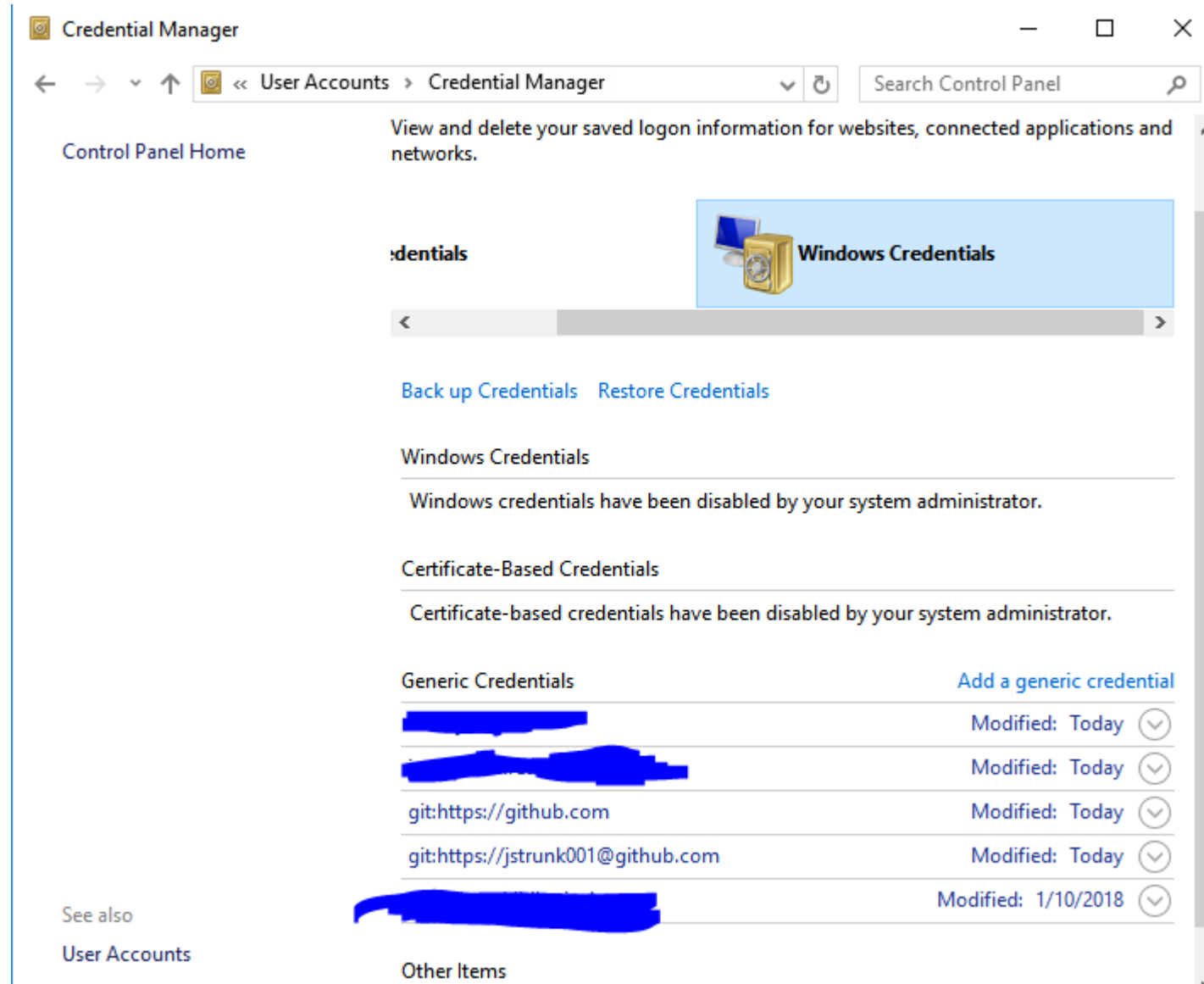
- Arrows not grayed out

Note: GitHub Connection

Rstudio Git Shell

- **GitHub Initiation – shell fail**

- **After GitHub – shell OK!!**

Note: Bash Shell?

- Evil command line box ?

- **RARELY ever needed for Rstudio / Git / Github / package!!**
- **Google is your friend**
- **RStudio Bash Shell – usually ok for weird cases (not first connection)**
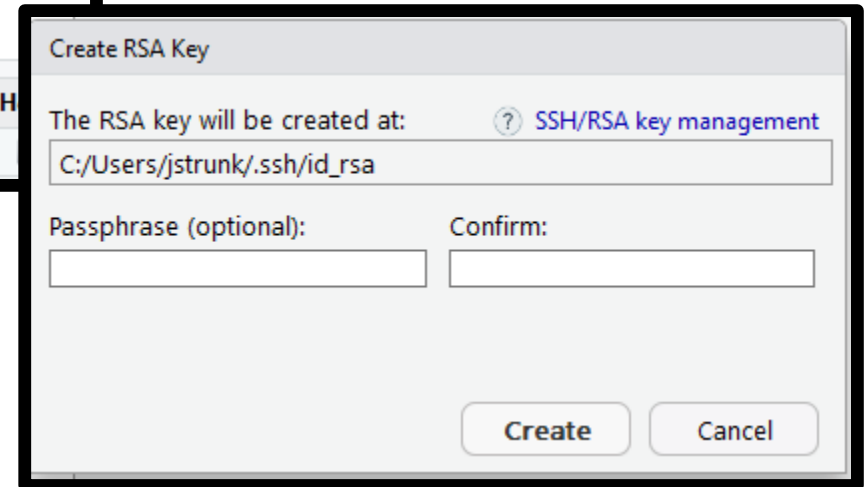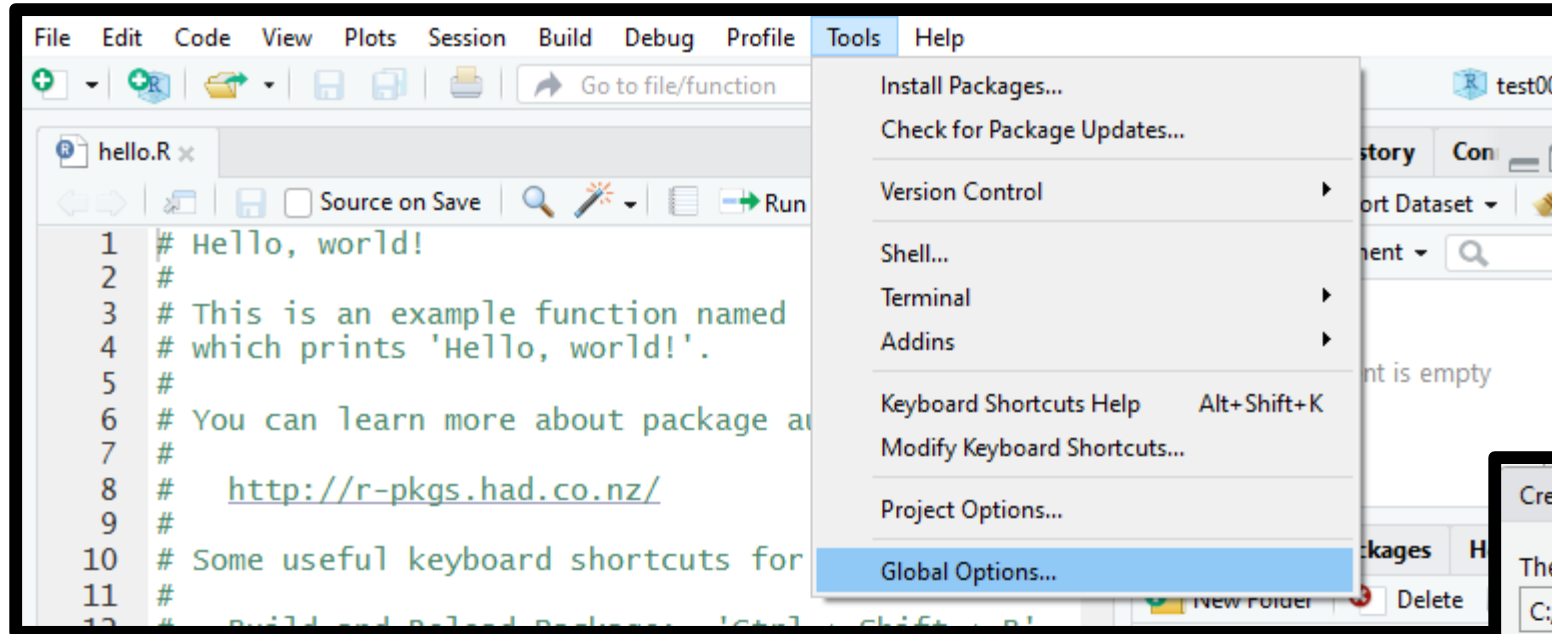
Note: Windows Credential Manager

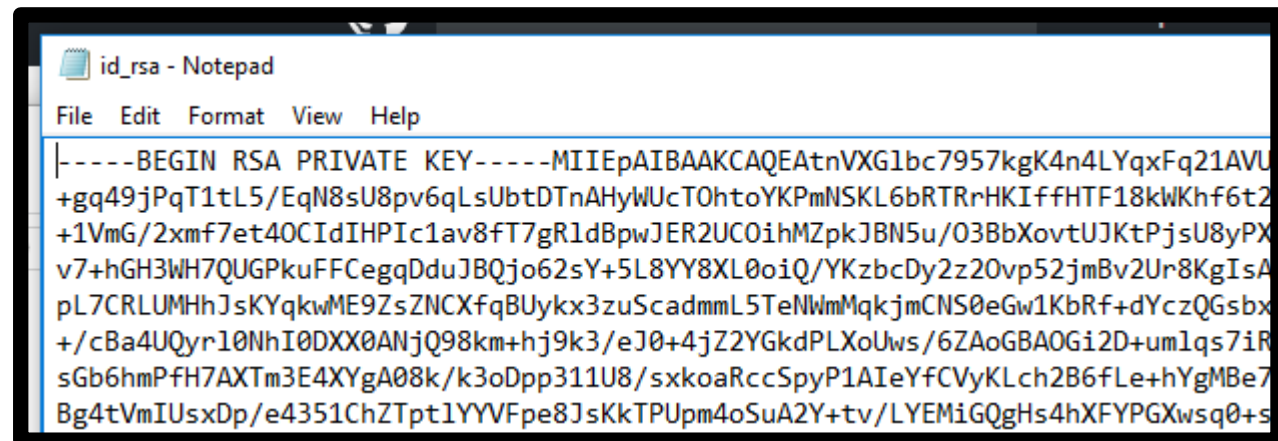- Why doesn't Git Prompt a password anymore ?
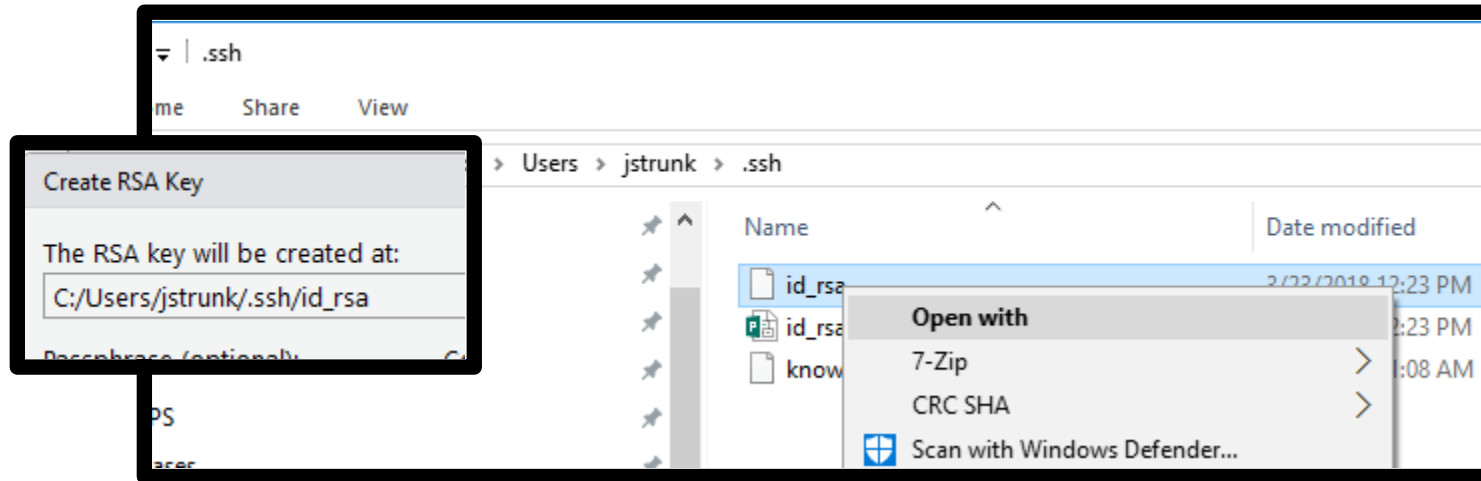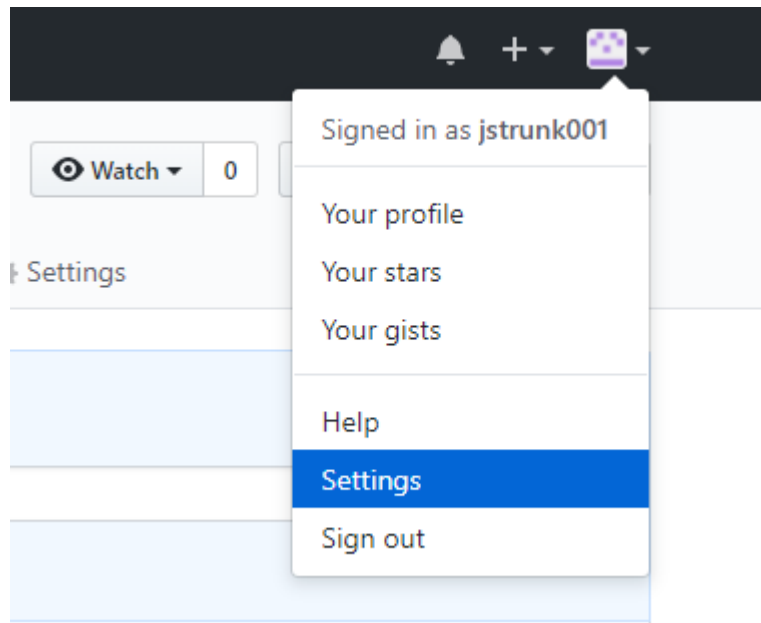
- How do I log out?

End

- RSA Key - Optional

1) Create RSA Key

2) Find RSA Key, Copy to Clipboard (ctrl + c)

3) Paste RSA key into GitHub