

# Notes 4

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## How to install and remove software using the APT command

### To Install

1. Open terminal.
2. **Optional** - Update package list, if needed.
3. Use `install` command followed by the apt name
  - For example: `sudo + apt + install + bastet`
4. Confirm Yes/No when prompted.
5. Enjoy the apt!

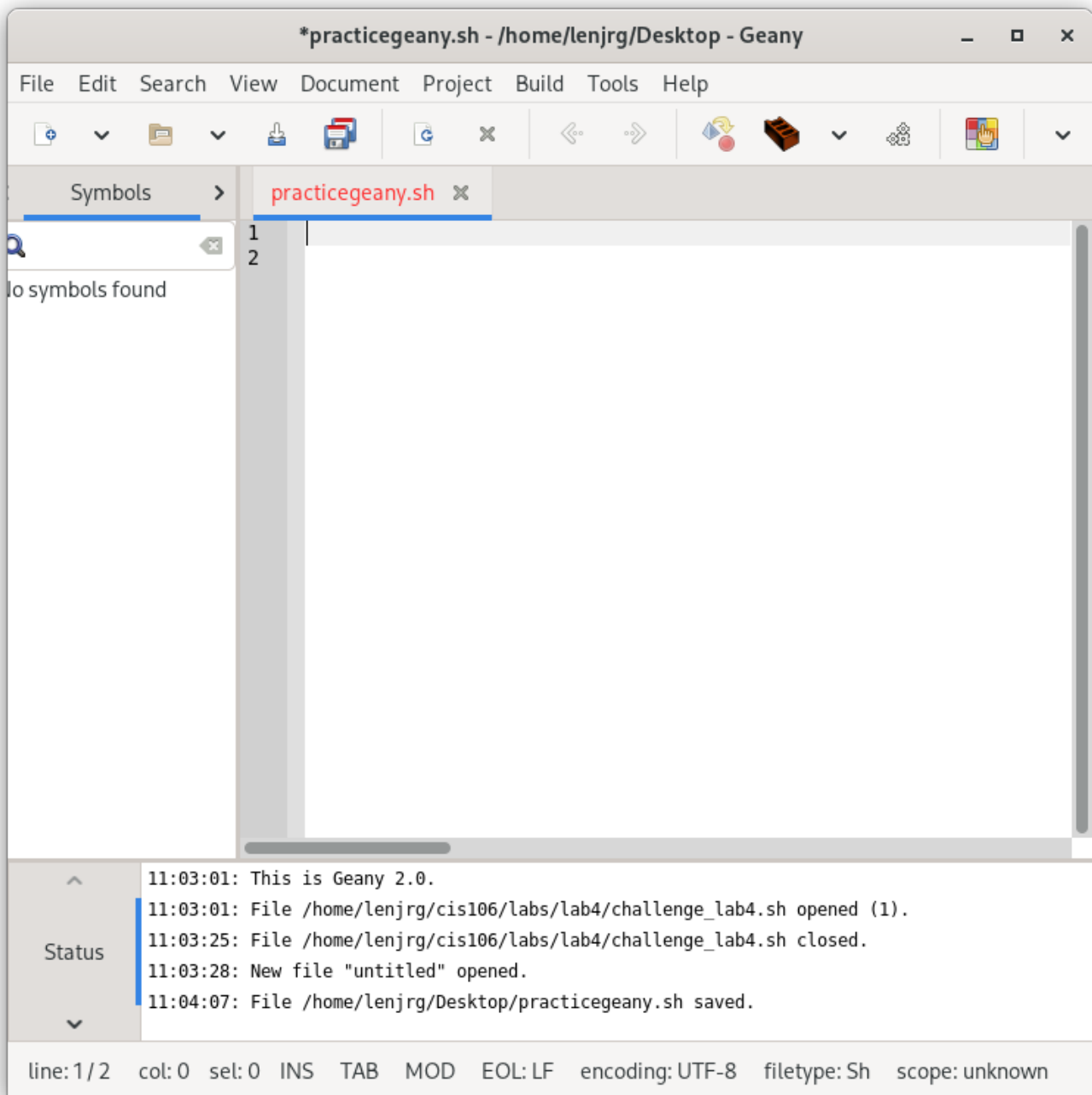
### To Remove

1. Open terminal.
2. Use `remove` command followed by the apt name
  - For example: `sudo + apt + remove + bastet`
3. **Optional** - To completely remove a package and all its associated files use the following command
  - `sudo + apt + purge + bastet`

## How to create a shell script step

### Create file

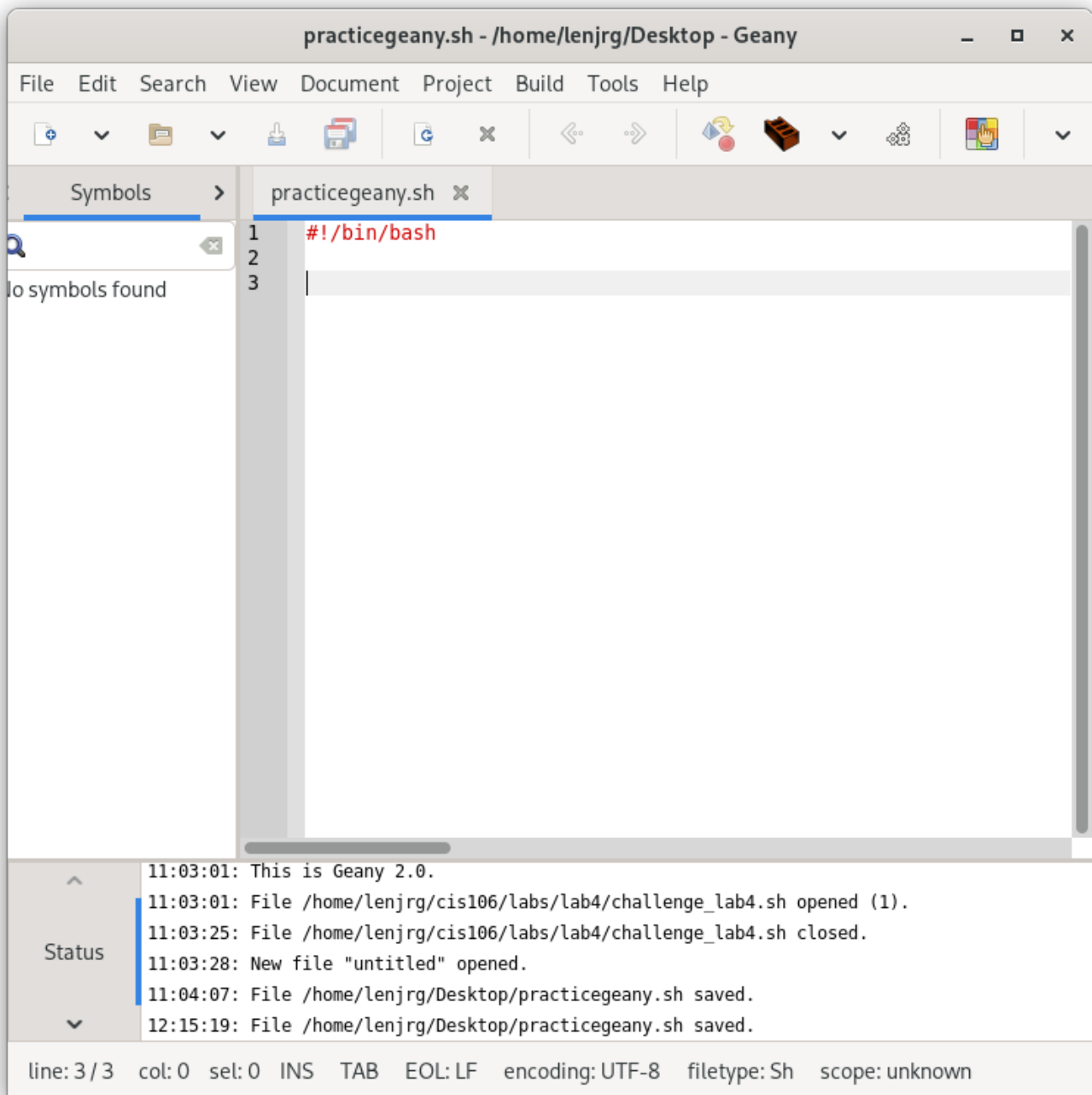
First we will start by opening a text editor software and create a new file. Give it a name followed by this extension: `.sh`



### Add shell declaration

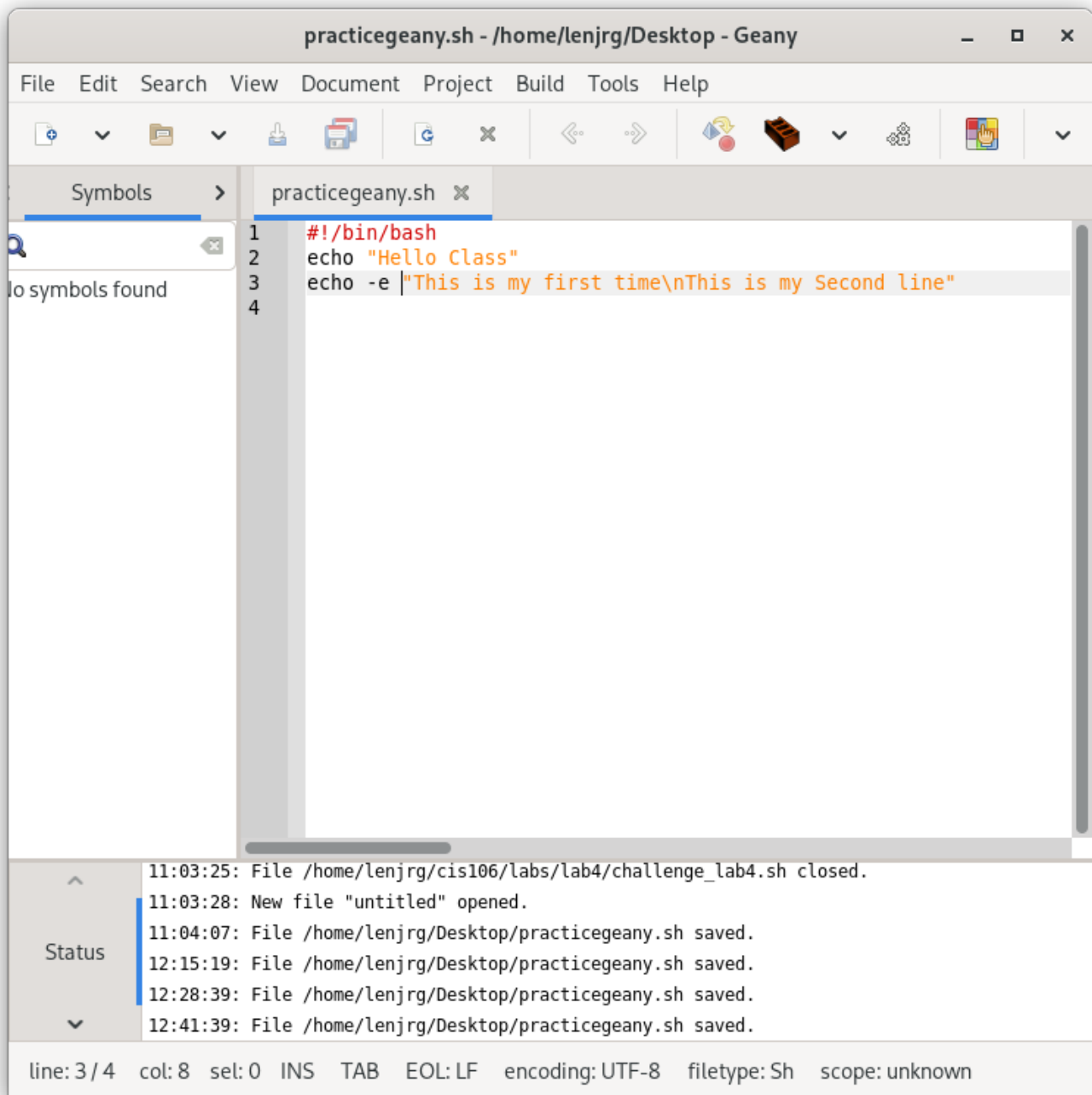
The first line of our file tells the system what kind of file we are writing. We must use the following code:

```
#!/bin/bash
```



### Add your code

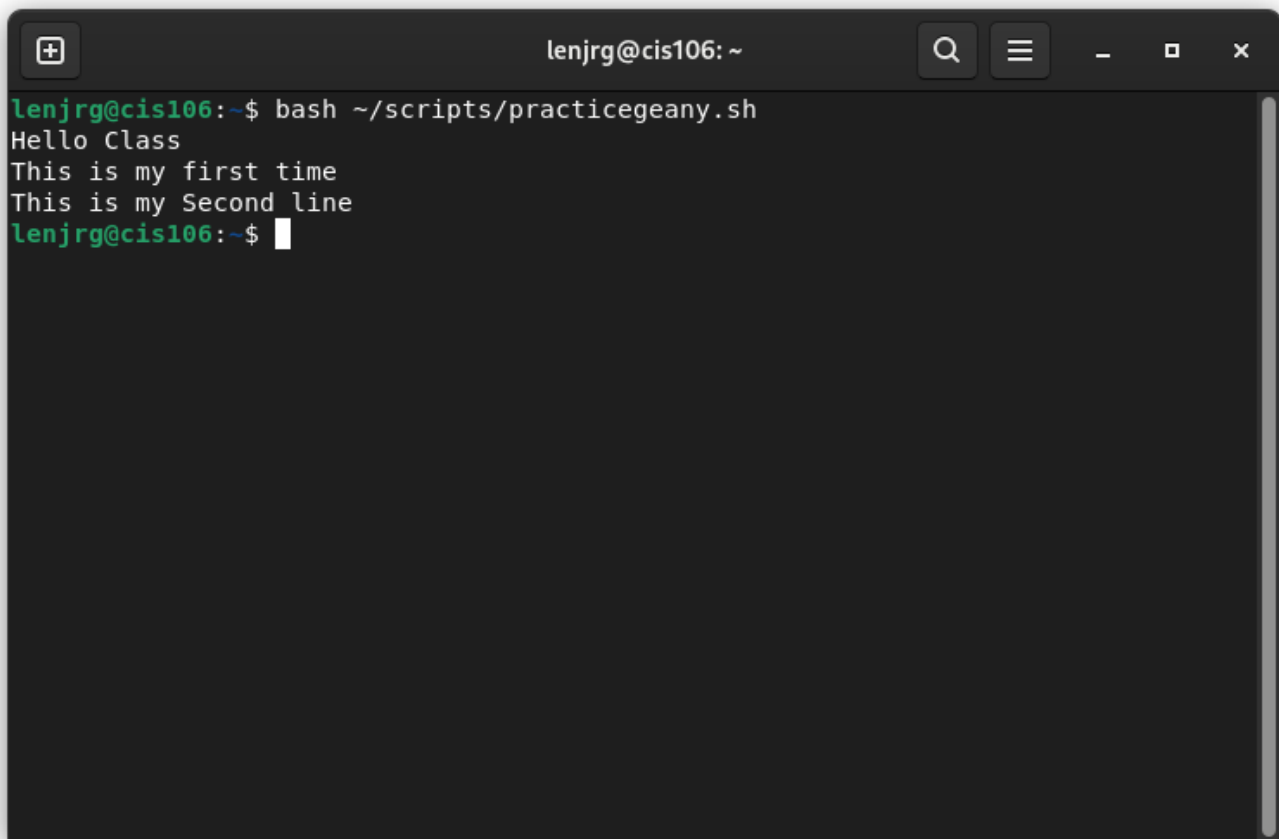
We can now start using command lines that will be executed later For example: - `echo "Hello Class"` - `echo "This is my first time\nThis is my Second line"`



### Run Script

At last we will test/run our file by opening a terminal and running script by typing its directory location. The word `bash` will always go in front of the file location. For example: For a file saved inside a folder named

Scripts, we will run the following command line: `bash + ~scripts + file name`

A terminal window titled 'lenjrg@cis106: ~' with standard window controls. The prompt is 'lenjrg@cis106:~\$'. The command 'bash ~/scripts/practicegeany.sh' has been entered and executed. The output consists of three lines: 'Hello Class', 'This is my first time', and 'This is my Second line'. The prompt 'lenjrg@cis106:~\$' is shown again with a cursor.

```
lenjrg@cis106:~$ bash ~/scripts/practicegeany.sh
Hello Class
This is my first time
This is my Second line
lenjrg@cis106:~$
```