

Notes 4

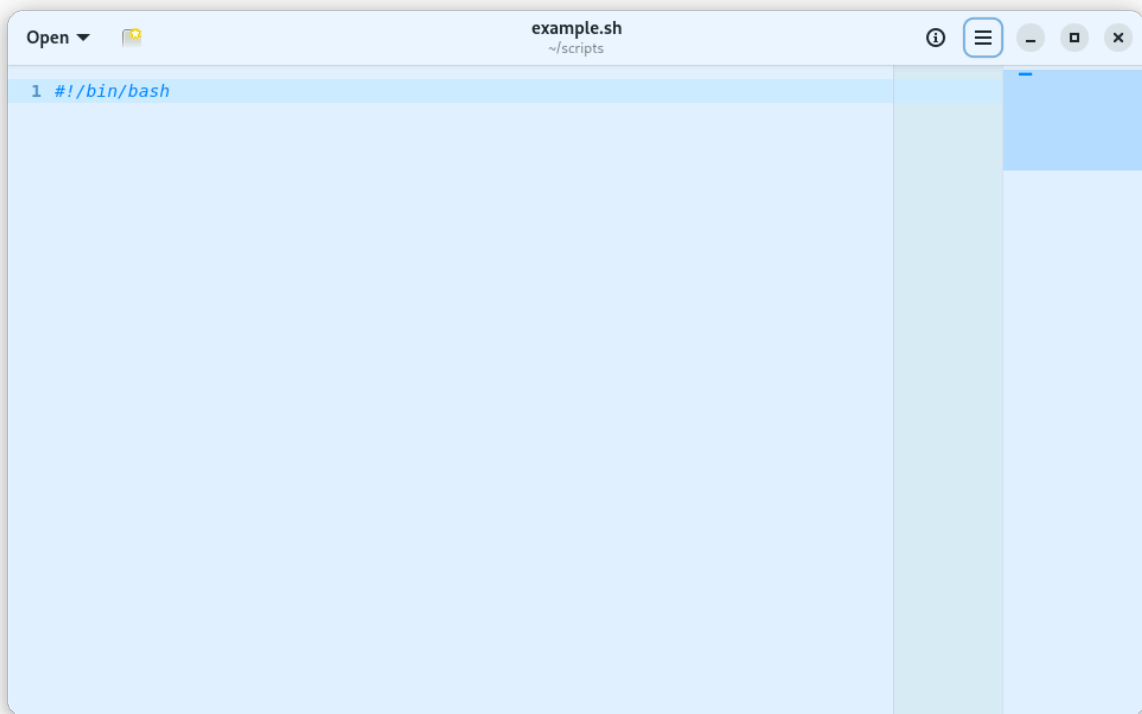
How to install and remove software using the APT command

- The Advanced Package Tool (APT) is a powerful command-line tool used in Debian-based Linux distributions (like Ubuntu) to manage software packages.
 - Installing Software with APT:
 - `sudo apt install [package_name]`
 - Removing Software with APT:
 - `sudo apt remove [package_name]`

How to create a shell script

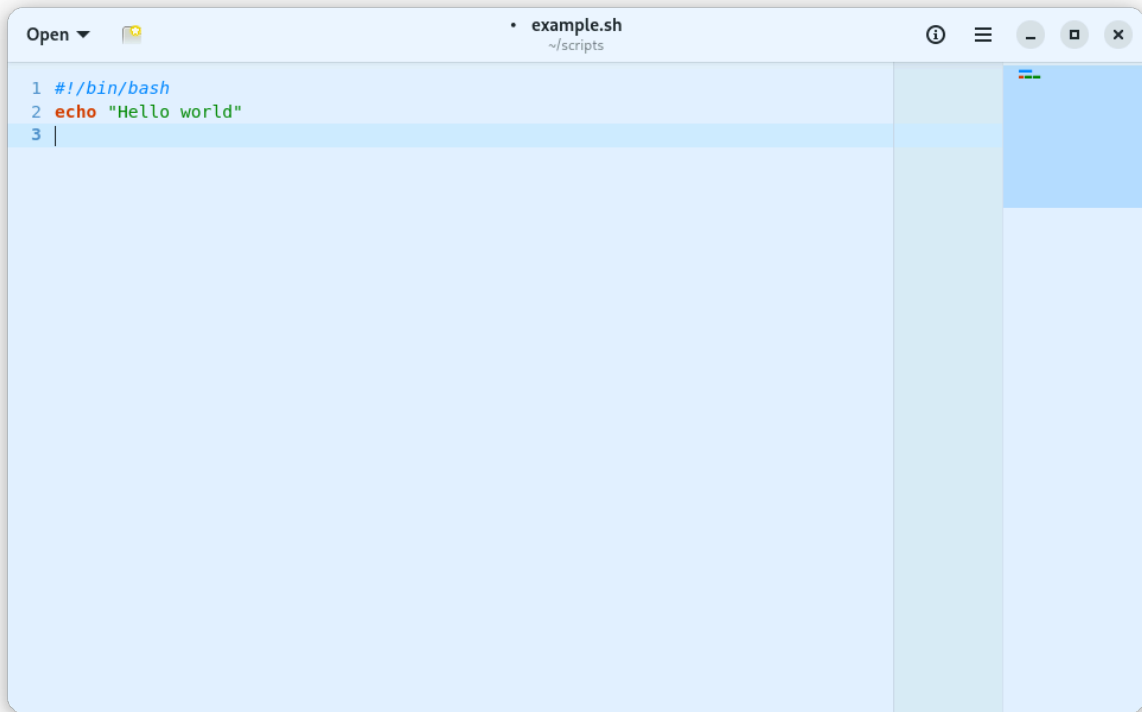
Step 1 Create the file and add the shell declaration

- When creating a shell script, it needs to be coded in the shell. In linux, gnome text editor is the perfect place to create a shell script. To create a file for shell script, just open the text editor and give it a name and .sh file extension at the end and then simply add the shell declaration `#!/bin/bash`



Step 2 Add the code

- After creating the file and naming the script, script has to include a code to be able to run the script properly. The code in the example is echo command and it basically prints the text on the screen.

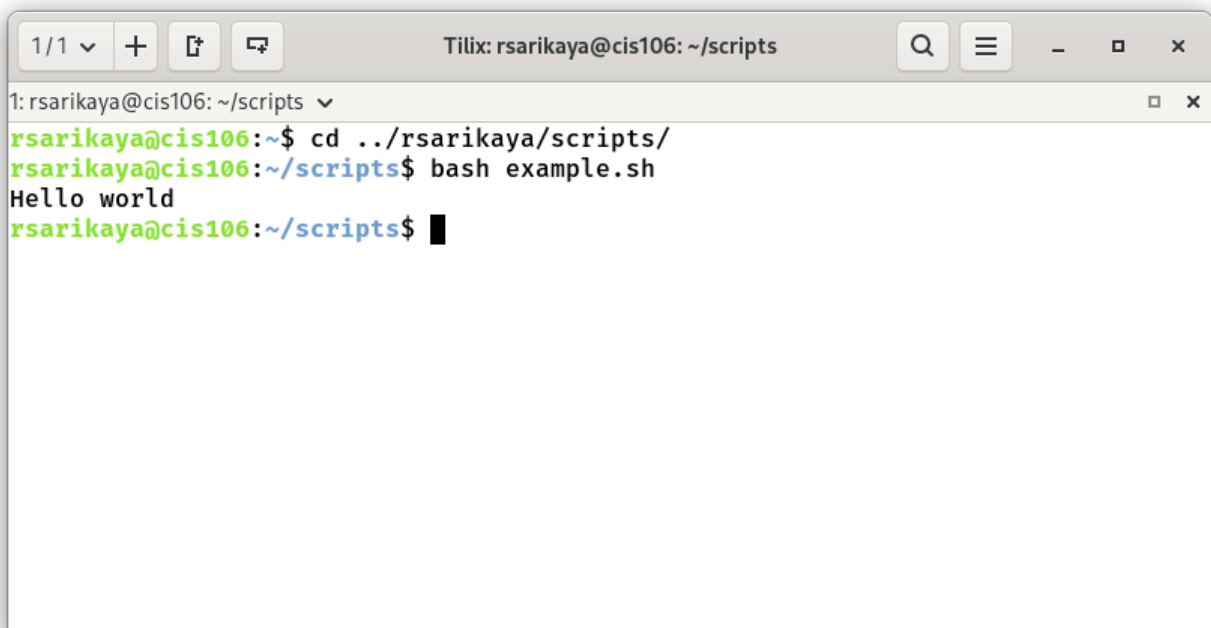


A screenshot of a code editor window titled "example.sh" with the path "~/scripts". The editor contains three lines of code: line 1 is "#!/bin/bash", line 2 is "echo "Hello world"", and line 3 is a blank line with a cursor. The editor has a light blue background and a sidebar on the right.

```
1 #!/bin/bash
2 echo "Hello world"
3 |
```

Step 3 Run the script

- In order to run the script, go to the terminal and navigate to the directory that contains the script. After finding the directory that contains the script, simply use the bash command as in the example.



A screenshot of a terminal window titled "Tilix: rsarikaya@cis106: ~/scripts". The terminal shows the following commands and output: the user navigates to the directory with "cd ../rsarikaya/scripts/", then runs "bash example.sh", which outputs "Hello world". The prompt returns to the user.

```
1: rsarikaya@cis106: ~/scripts
rsarikaya@cis106:~$ cd ../rsarikaya/scripts/
rsarikaya@cis106:~/scripts$ bash example.sh
Hello world
rsarikaya@cis106:~/scripts$
```