



#9/3,Shree Lakshmi complex,2nd Floor,Opp,To Vivek
560085.www.tenettec

Introduction:

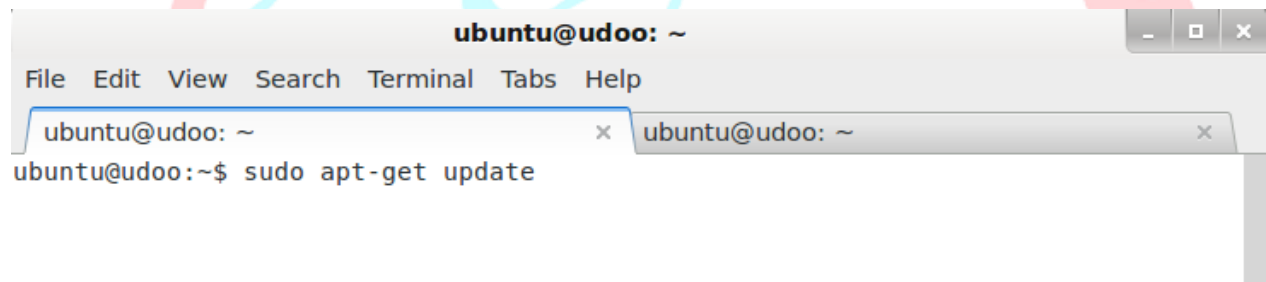
If you have been looking for a free speech synthesizer for Linux, the one that I can highly recommend a program called Festival. Festival is a frame work for building speech synthesis system. It just converting the normal text in to speech. This software can be great helpful particularly for people those who are mute. Here we are implementing the same festival software on UDOO. For more details about festival software you may go [here](#).

Installation Steps:

Step 1:

Initially we have to update the System. Open the terminal and enter the following command.

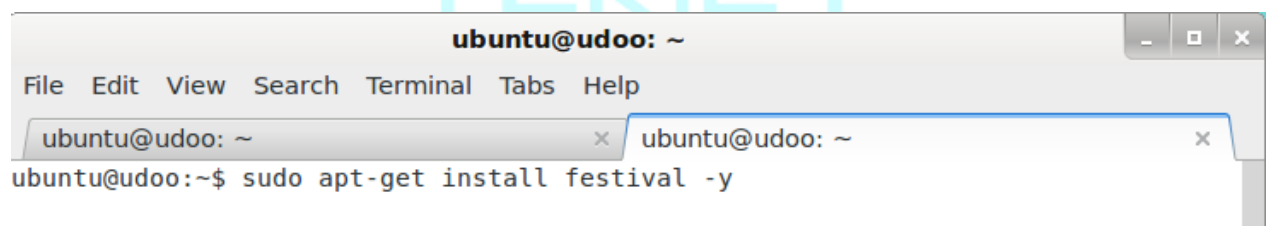
\$ sudo apt-get update

A screenshot of a terminal window titled 'ubuntu@udoo: ~'. The window has a menu bar with 'File', 'Edit', 'View', 'Search', 'Terminal', 'Tabs', and 'Help'. There are two tabs open, both labeled 'ubuntu@udoo: ~'. The terminal shows the command 'ubuntu@udoo:~\$ sudo apt-get update' entered at the prompt.

Step 2:

Install the festival software.

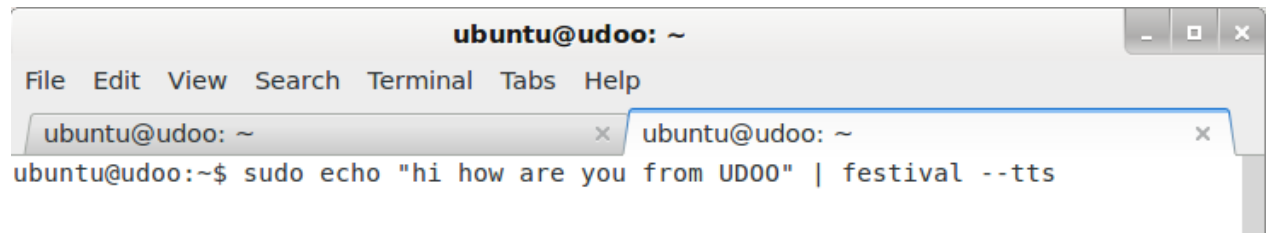
\$ sudo apt-get install festival -y

A screenshot of a terminal window titled 'ubuntu@udoo: ~'. The window has a menu bar with 'File', 'Edit', 'View', 'Search', 'Terminal', 'Tabs', and 'Help'. There are two tabs open, both labeled 'ubuntu@udoo: ~'. The terminal shows the command 'ubuntu@udoo:~\$ sudo apt-get install festival -y' entered at the prompt.

Step 3:

Simple example to test the tts(text to speech) software. Connect your earphone and type the following command in the terminal.

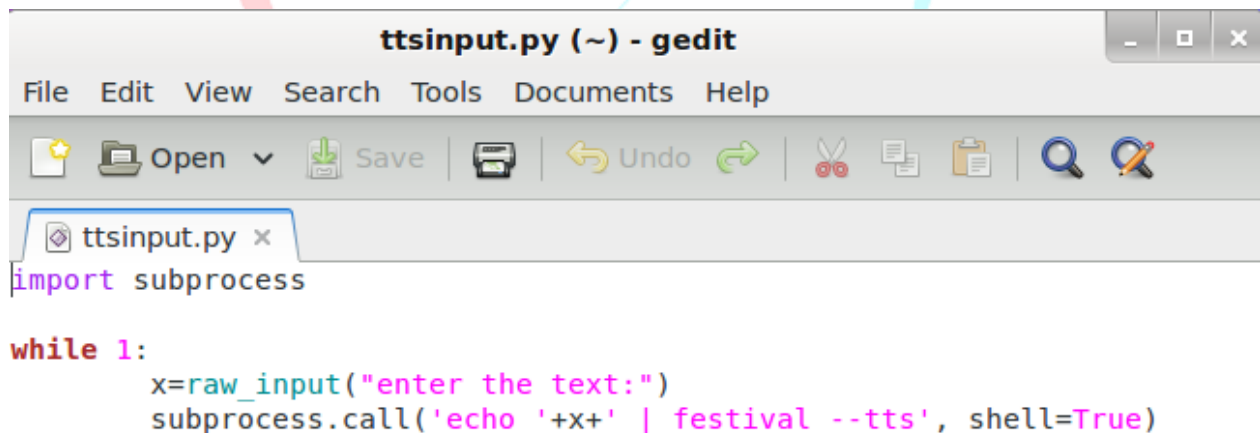
\$ sudo echo "hai how are you from UD00" | festival --tts

A terminal window titled 'ubuntu@udoo: ~' with a menu bar (File, Edit, View, Search, Terminal, Tabs, Help). It shows two tabs. The active tab displays the command 'ubuntu@udoo:~\$ sudo echo "hi how are you from UD00" | festival --tts'.

Simple experiment using on tts

Here i am using python code to get the user input as text and make it as a speech output.

Code

A Gedit editor window titled 'ttsinput.py (~) - gedit' with a menu bar (File, Edit, View, Search, Tools, Documents, Help) and a toolbar. The code in the editor is:

```
import subprocess

while 1:
    x=raw_input("enter the text:")
    subprocess.call('echo '+x+' | festival --tts', shell=True)
```

5

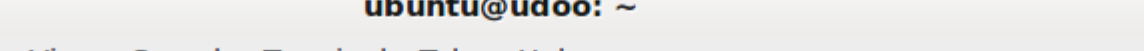
Executing the Program

Connect your earphone in to the audio jack and run the following command in the terminal.



```
$ sudo python filename.py
```

and then enter the text that you want to make it as speech output.



ubuntu@udoo: ~

File Edit View Search Terminal Tabs Help

ubuntu@udoo: ~

ubuntu@udoo: ~

ubuntu@udoo:~\$ sudo python ttsinput.py
enter the text:hi from udoo!!

- Want to buy udoo [click here](#)
- [Daily and Weekly deal](#)
- [Blogspot](#)
- [Youtube channel](#)
- [Trainning](#)

For more details

- Email US: info@tenettech.com
- Ph No : 080-26722726.

The logo features a large, stylized 'T' in light blue, with a red swoosh underline that curves around the right side. Below the 'T' is the word 'TENET' in a light blue, sans-serif font. Below 'TENET' is the word 'TECHNETRONICS' in a larger, light blue, sans-serif font.

TENET
TECHNETRONICS