



# Philosophy behind Free Software

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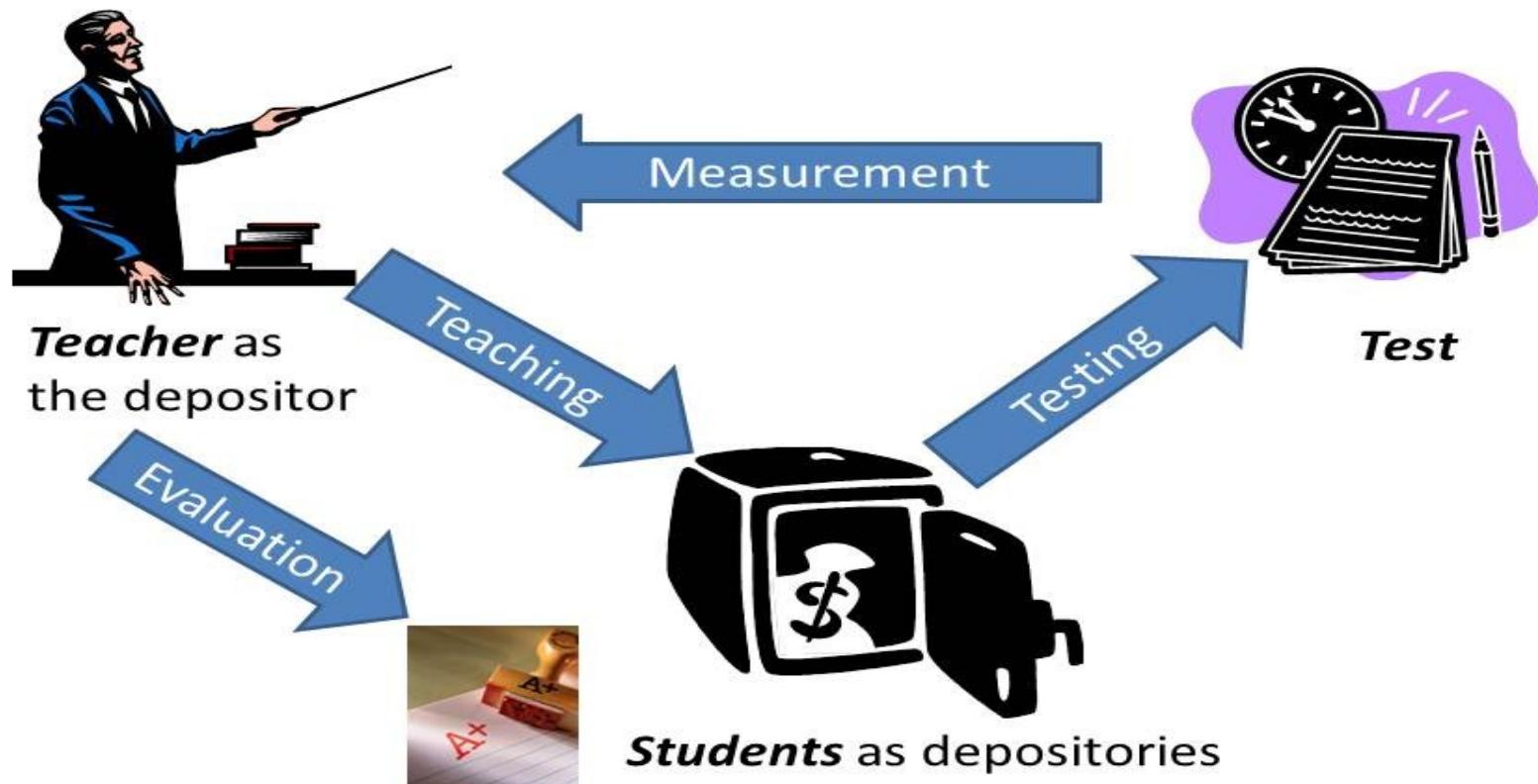
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# Against the "Banking" concept of education

-Paulo Freire

## Banking concept of education





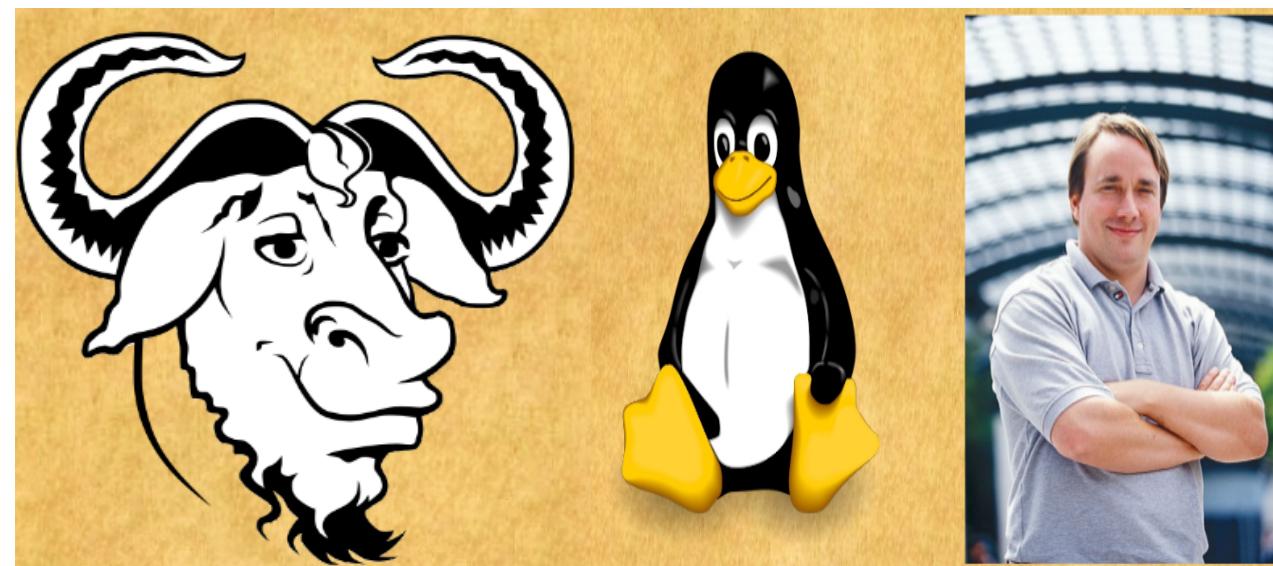
# Free Software - A Brief history

## The Story of Free Softwares- For want of a printer

RMS-Richard M Stallman a staff hacker at MIT AI LAB Wrote gnu emacs, gcc, gdb GNU debugger, to name a few

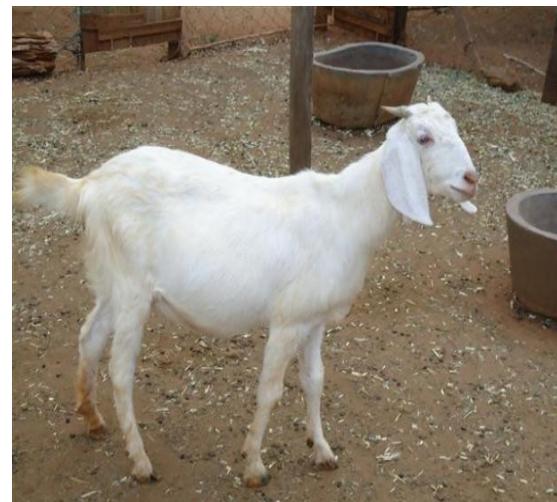
Started Project GNU-GNU is not unix in the year 1984 Founded the Free Software Foundation in the year 1985 on 4<sup>th</sup> of October

GNU project adopted **Linux Kernel** and GNU/Linux OS was launched in late 80's





# What is free as in free coffee??





# What is free as in freedom??

Freedom in philosophy is the human value or situation to act according to one's will without being held up by the power of others.

From a philosophical point of view, it can be defined as the capacity to determine your own choices. It can be defined negatively as an absence of constraint, subordination, and servitude.





# Free(dom) Software

A program is free software if the program's users have the four essential freedoms:

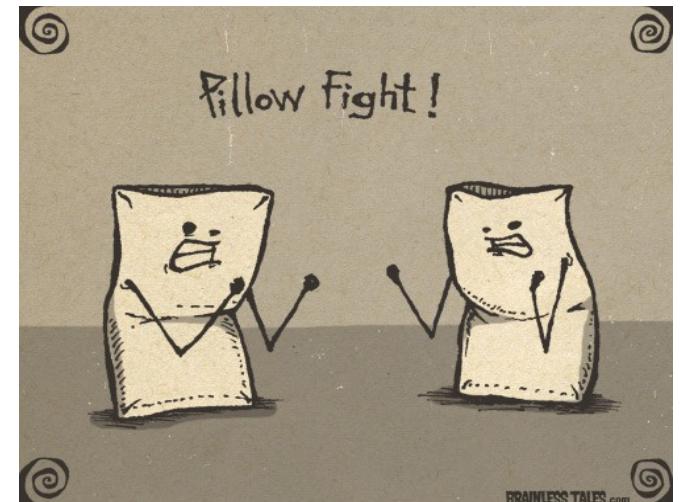
- The freedom to run the program, for any purpose (freedom 0).
- The freedom to study how the program works, and change it so it does your computing as you wish (freedom 1). Access to the source code is a precondition for this.
- The freedom to redistribute copies so you can help your neighbor (freedom 2).
- The freedom to distribute copies of your modified versions to others (freedom 3). By doing this you can give the whole community a chance to benefit from your changes. Access to the source code is a precondition for this.



# Freedom – 0 “Beauty lies in the eyes of the beholder”

**The freedom to run the program, for any purpose** - The freedom to run the program means the freedom for any kind of person or organization to use it on any kind of computer system, for any kind of overall job and purpose, without being required to communicate about it with the developer or any other specific entity.

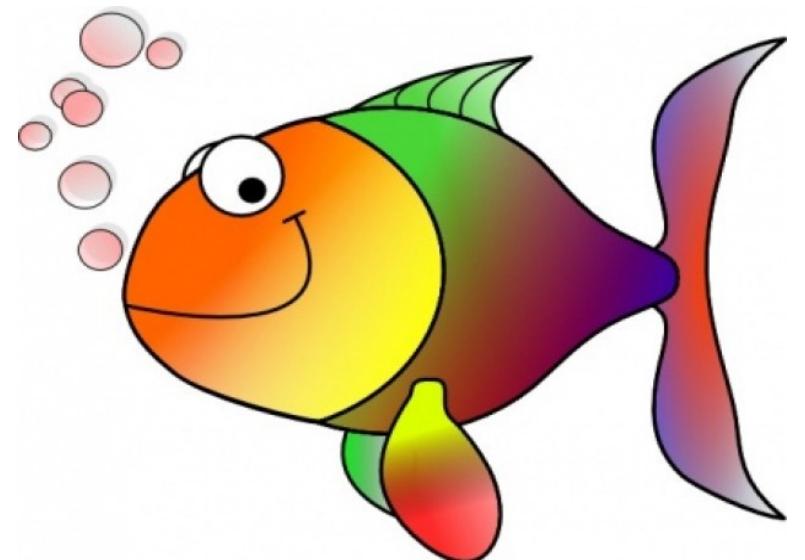
-<http://www.gnu.org/philosophy/free-sw.html>





# Freedom – 1

The freedom to study how the program works, and change it so it does your computing as you wish (freedom 1). Access to the source code is a precondition for this.





# Freedom – 2

The freedom to redistribute copies so you can help your neighbour





## Freedom – 3

The freedom to distribute copies of your modified versions to others (freedom 3). By doing this you can give the whole community a chance to benefit from your changes. Access to the source code is a precondition for this.





# Pillar - 1

# Free Software

- GCC, GNU/Linux Kernel
  - Python, Java, PHP
  - Drupal, Wordpress
  - Firefox, VLC



More @

[http://en.wikipedia.org/wiki/Portal:Free\\_software/categories](http://en.wikipedia.org/wiki/Portal:Free_software/categories)



# Pillar – 2

## Open Standards

- World Wide Web architecture specified by W3C
- Peripheral Component Interconnect (PCI)
- Hypertext Markup Language (HTML) and Extensible HTML (XHTML)
- Portable Network Graphics (PNG)
- Ogg (audio formats) & Theora (a video format)
- OpenDocument Format (ODF)



# Pillar - 3

## Pillar 3 : Open Content

### Wikipedia



**WIKIPEDIA**  
The Free Encyclopedia

### Crowd Sourcing



### Open Access

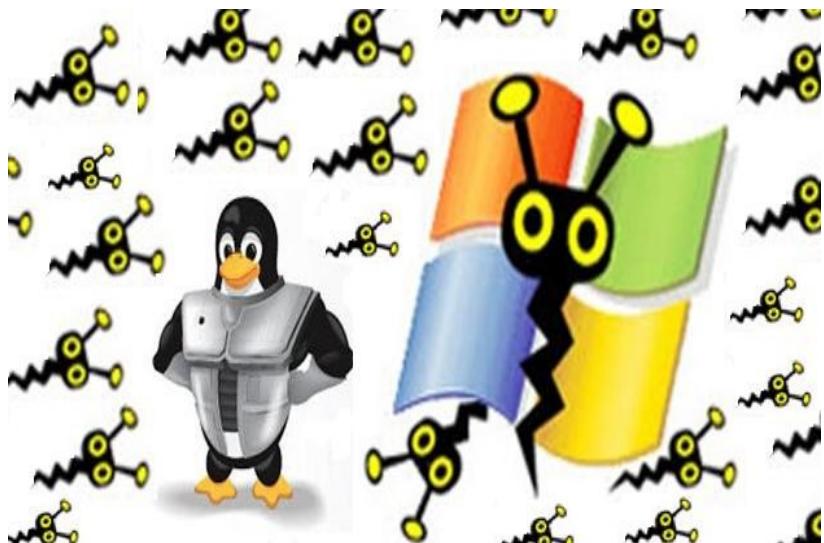




# Some advantages of Free Software – Security

Your's ->Reliability, Stability  
& Security

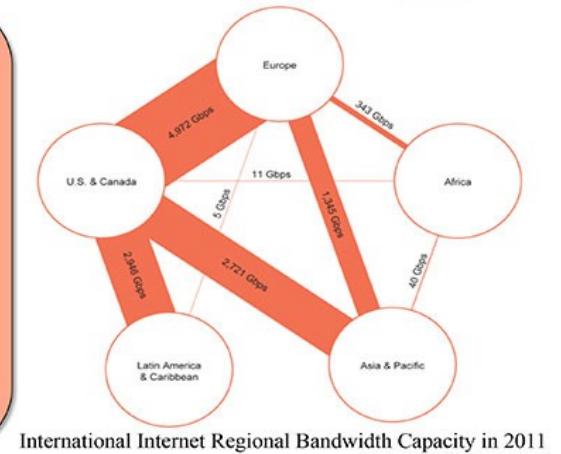
("Given enough eyeballs all  
the bugs are shallow)



Nation's Security



- Much of the world's communications flow through the U.S.
- A target's phone call, e-mail or chat will take the cheapest path, not the physically most direct path – you can't always predict the path.
- Your target's communications could easily be flowing into and through the U.S.



TOP SECRET//SI//ORCON//NOFORN



# Some advantages of Free Software – Localization





# Some advantages of Free Software – Entrepreneurship





# FOSS Tools

- Designing



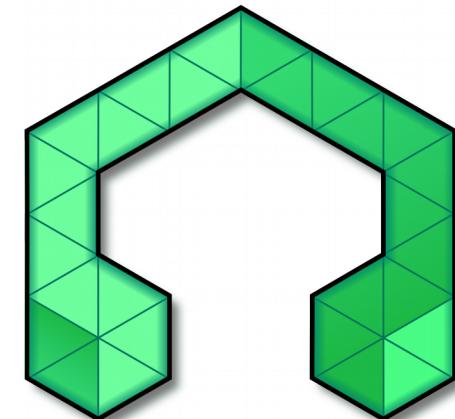


# FOSS Tools

- Audio Player & Production



Audacity®





# FOSS Tools

- Video Editor





# FOSS Tools

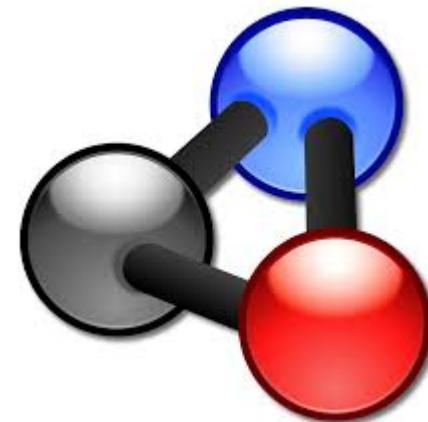
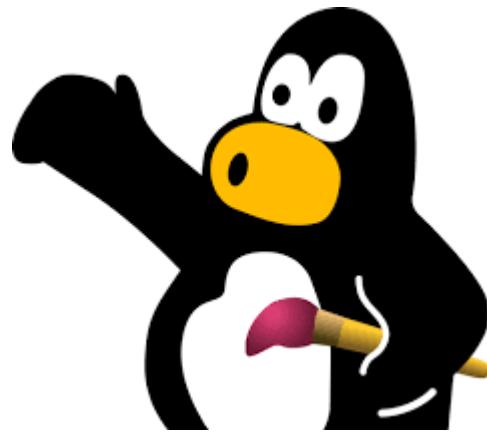
- Office Tools





# FOSS Tools

- Science & Education





# FOSS Tools

- Screen Recorder



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- Contact – [balaji@fsftn.org](mailto:balaji@fsftn.org) , [ask@fsftn.org](mailto:ask@fsftn.org)





# Thank you

