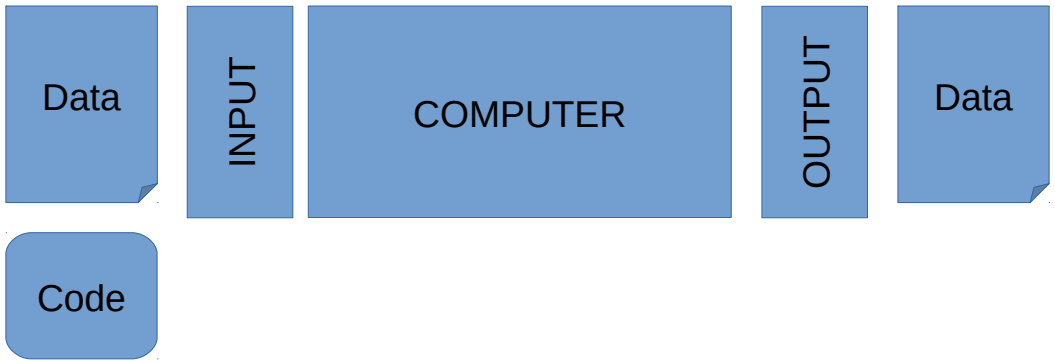
Tema 1
INTRODUCCIÓN

1.1 Computer science basics

Computers are machines capable of accepting data through and input device, process those data automatically under the control of a previously stored program, and provide the result information through an output device



1.3 Operating system

- Software: programs that control the hardware.
  - Machine language
  - Operating systems
  - Programming languages
  - Applications

1.3 Operating system

Collection of programs and files that allow the user access to the computer and manage the availabe system resources

- Common tasks:
  - Resource management: Memory, devices, programs.
  - Access control
  - User Interface

1.3 Operating system classification

- Command oriented: MS-Dos, UNIX, Linux
  - Calls to the OS

- Object Oriented: MacOS (NextStep), Windows (WindowsNT)
  - Objects: Windows, menus, Icons (folders, apps, documents)
  - Actions: Select, open

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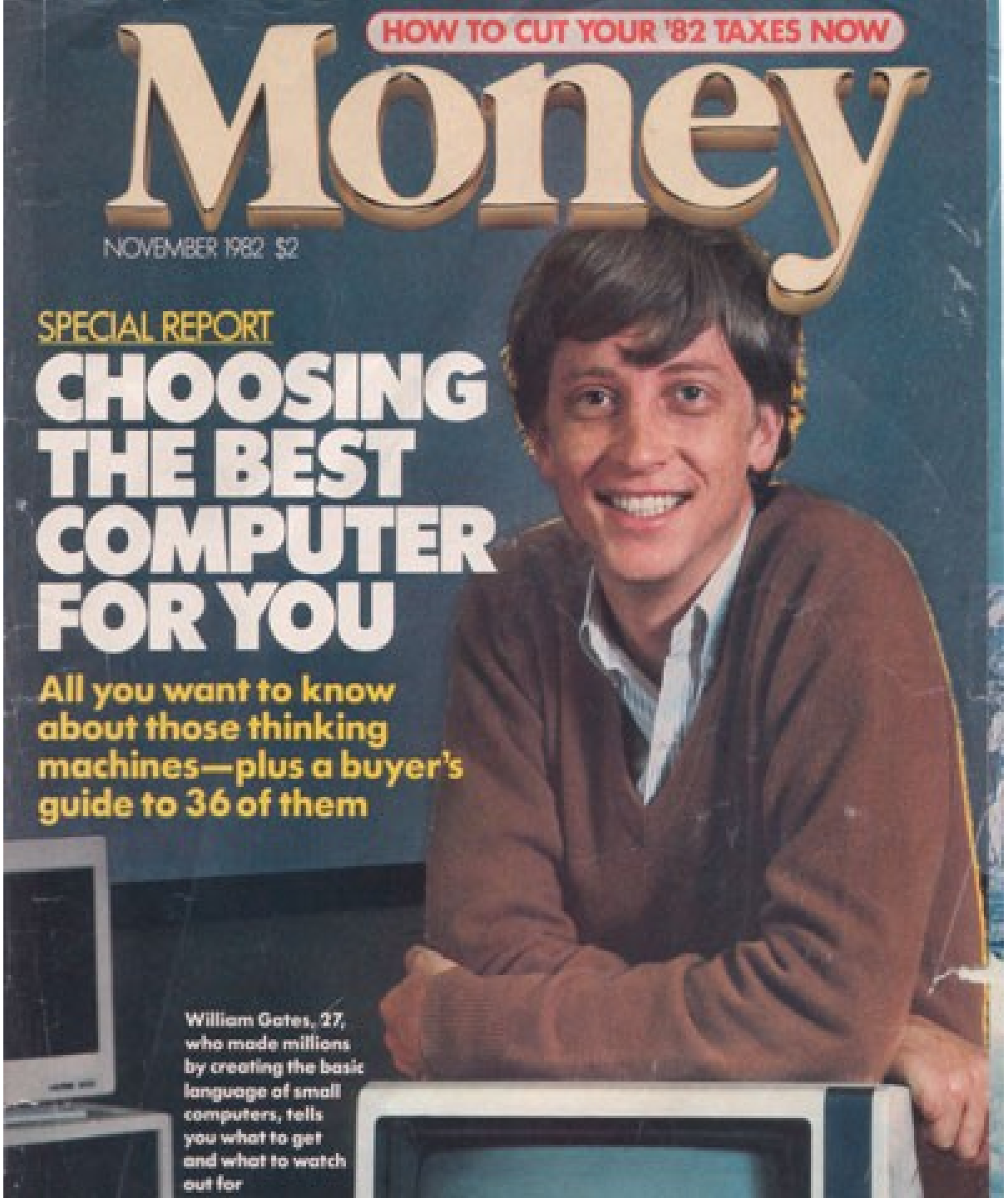
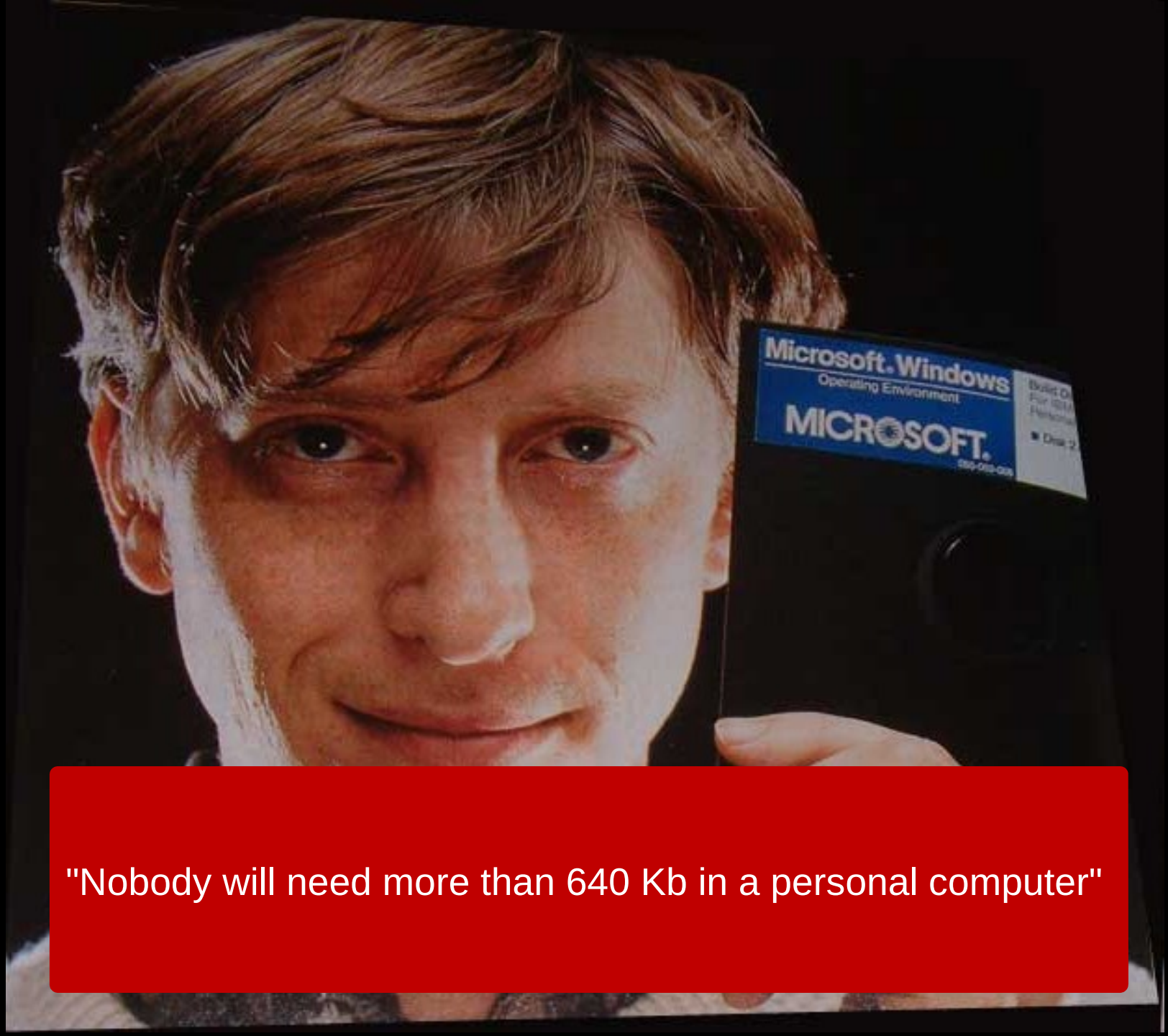
SPECIAL REPORT

CHOOSING THE BEST COMPUTER FOR YOU

All you want to know about those thinking machines—plus a buyer's guide to 36 of them



William Gates, 27, who made millions by creating the basic language of small computers, tells you what to get and what to watch out for



"Nobody will need more than 640 Kb in a personal computer"

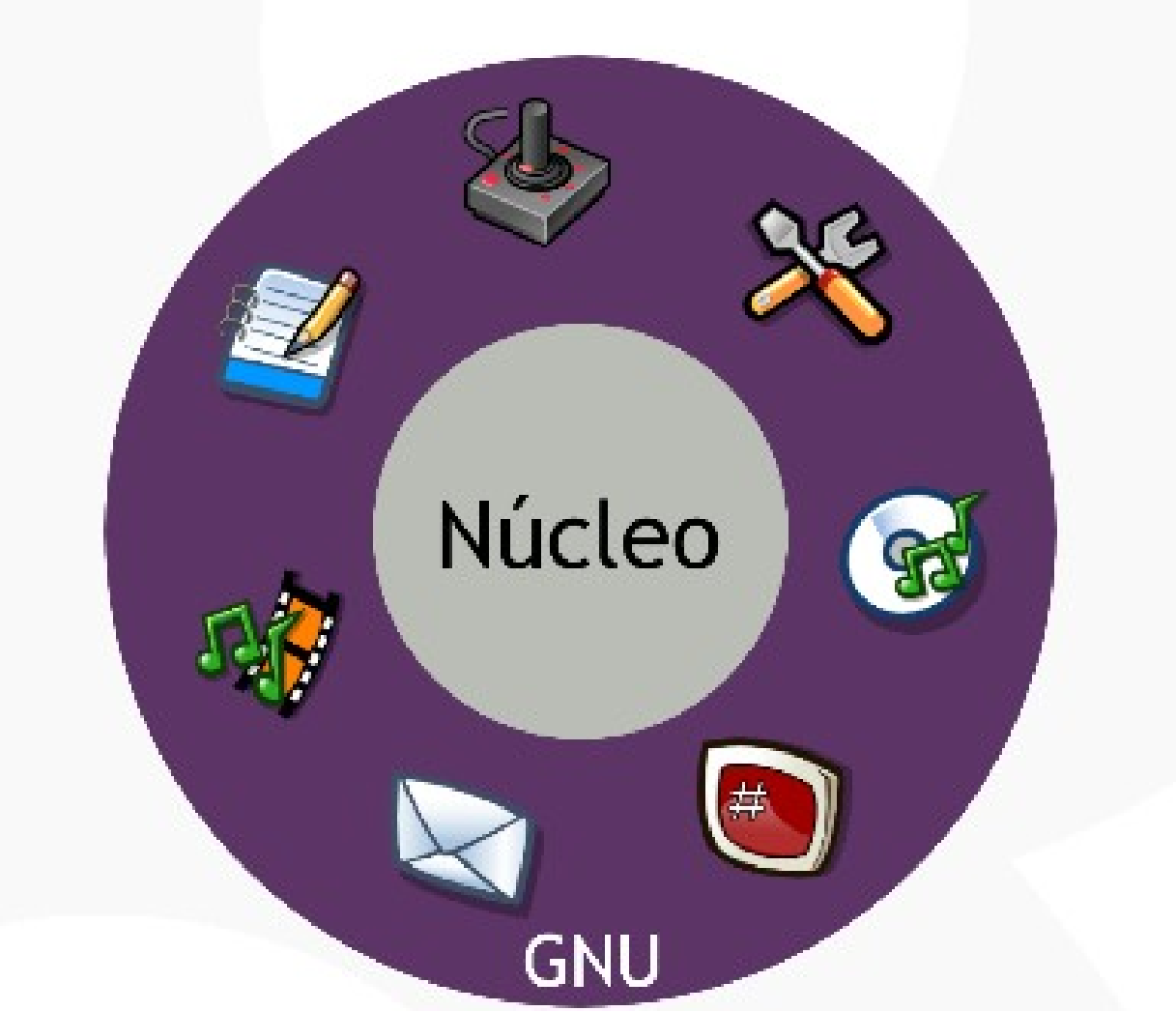
Proyecto GNU

- **Richard Stallman**
- **GNU project creaded in 1984.**
  - **Free Software**
  - **GPL License**
  - **Free Software Fundation**

Free Software!

freedom to use
freedom to copy
freedom to modify
freedom to distribute

GNU



Hello everybody out there using minix -

I'm doing a (free) operating system (just a hobby, won't be big and professional like gnu) for 386(486) AT clones. This has been brewing since april, and is starting to get ready. I'd like any feedback on things people like/dislike in minix, as my OS resembles it somewhat (same physical layout of the file-system (due to practical reasons) among other things).

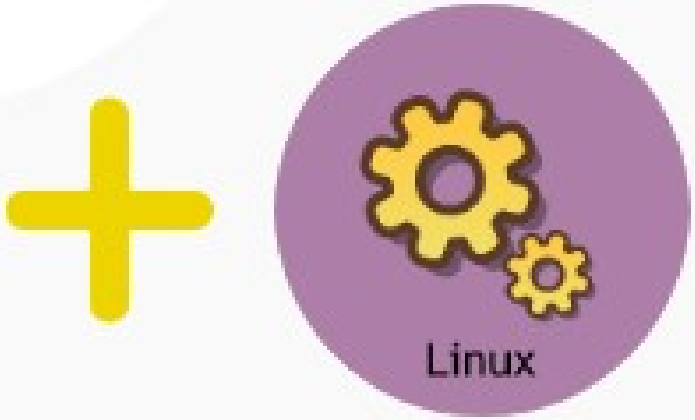
I've currently ported bash(1.08) and gcc(1.40), and things seem to work. This implies that I'll get something practical within a few months, and I'd like to know what features most people would want. Any suggestions are welcome, but I won't promise I'll implement them :-)

Linus (torvalds@kruuna.helsinki.fi)

PS. Yes – it's free of any minix code, NOT),

August 25th, 1991, this message appeared in the Usenet comp.os.minix group

GNU + Linux




MiniKazit
gentoo linux
SLAX
YOPER
Mint
MEPIS
redhat
Frugalware
Hiweed
COREL LINUX
EnGarde
BearOps
PCLinuxOS
cAos/CentOS
turbolinux
UTUTO
amlug
Progeny
Mandrakelinux
ASPLINUX
Haydar Linux
Vine Linux
LUNAR
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BeatrIX
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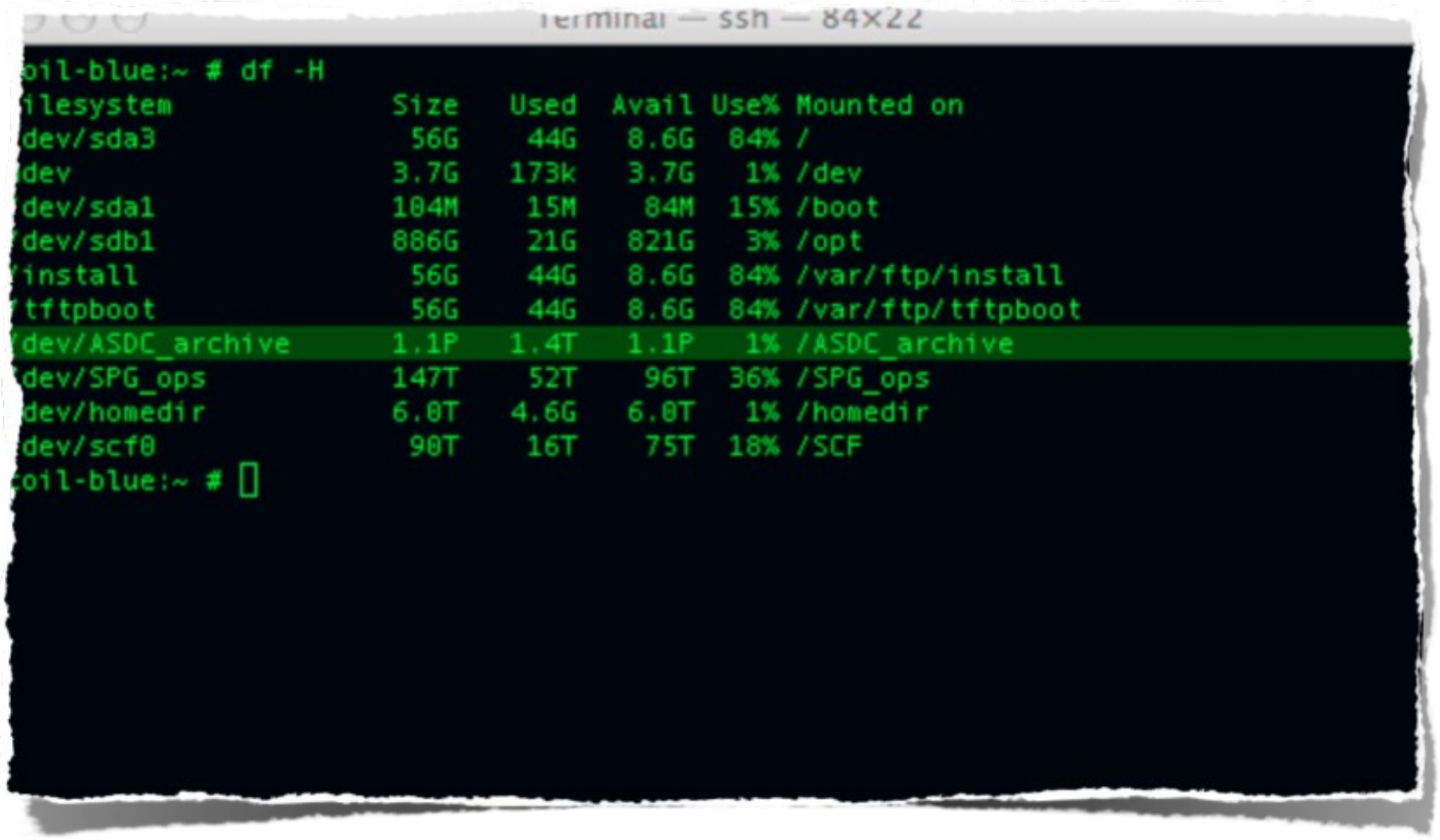
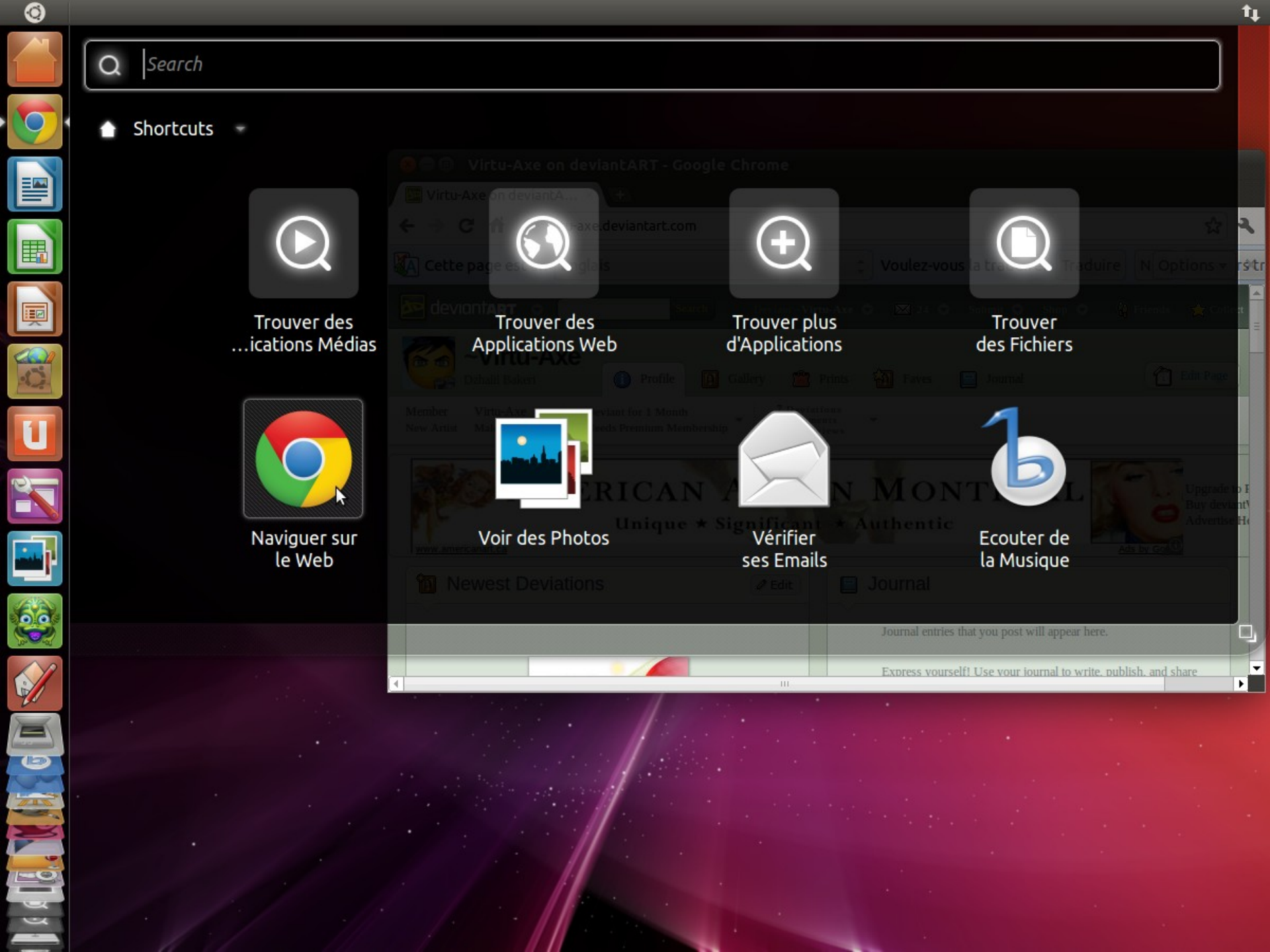
BIGLINUX
Slackintosh
suse
yellow dog linux
Knoppix STD
LPG
FREEDUC
Foresight
Fedora
PLD
blag
Lycoris
中文延伸套件
debian


Terminal — ssh — 84×22
oil-blue:~ # df -H
ilesystem Size Used Avail Use% Mounted on
dev/sda3 56G 44G 8.6G 84% /
dev 3.7G 173k 3.7G 1% /dev
dev/sda1 104M 15M 84M 15% /boot
dev/sdb1 886G 21G 821G 3% /opt
install 56G 44G 8.6G 84% /var/ftp/install
tftpboot 56G 44G 8.6G 84% /var/ftp/tftpboot
dev/ASDC_archive 1.1P 1.4T 1.1P 1% /ASDC_archive
dev/SPG_ops 147T 52T 96T 36% /SPG_ops
dev/homedir 6.0T 4.6G 6.0T 1% /homedir
dev/scf0 90T 16T 75T 18% /SCF
oil-blue:~ #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Trouver plus d'Applications
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Naviguer sur le Web
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Vérifier ses Emails
Ecouter de la Musique
Virtu-Axe on deviantART - Google Chrome
Newest Deviations
Journal
Journal entries that you post will appear here.
Express yourself! Use your journal to write, publish, and share

Recomendaciones

http://www.jomuoru.net/wp-content/uploads/2010/03/gldt102-full.png

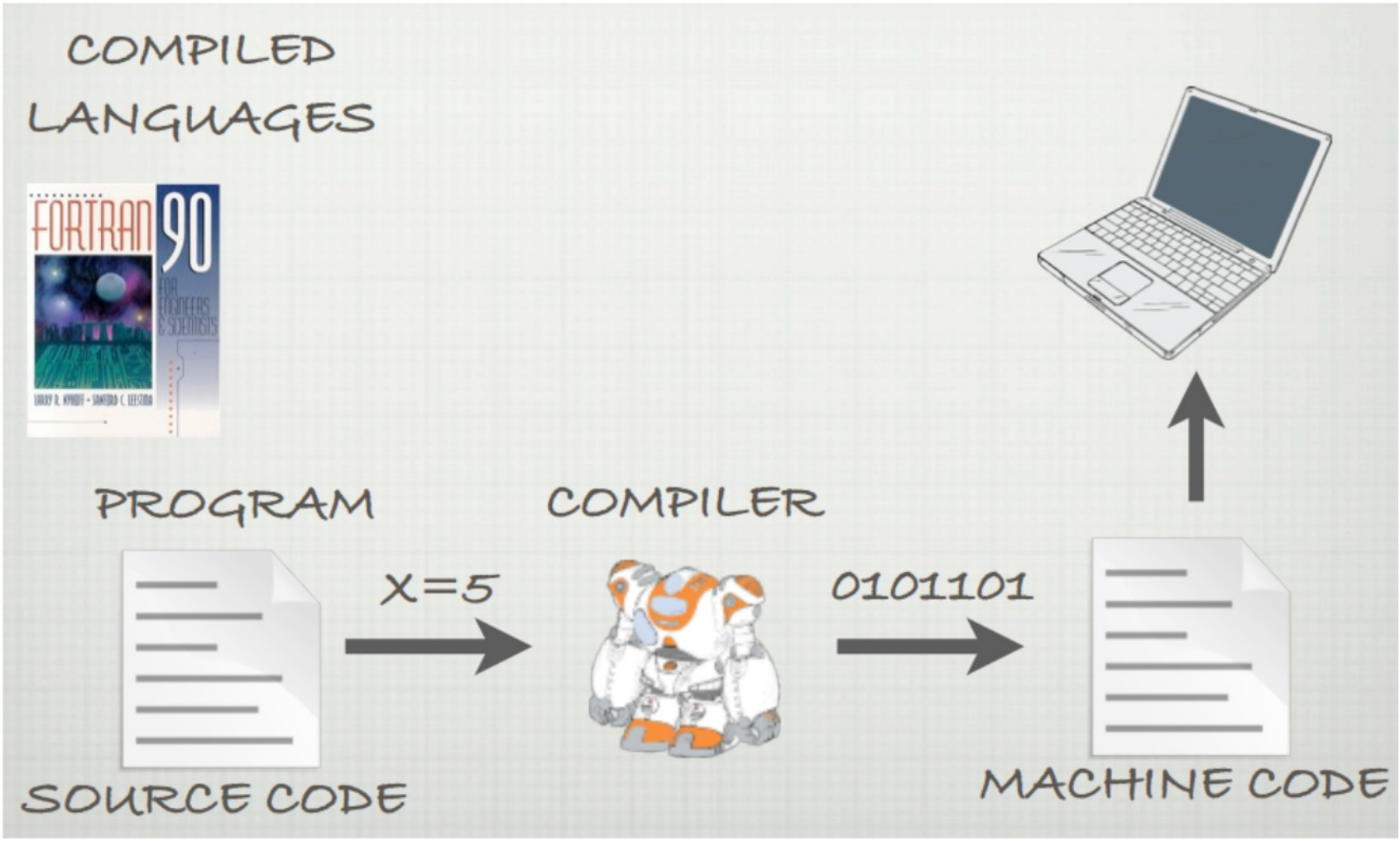
http://distrowatch.com

1.3 Interpreters and compilers

- An **interpreter performs the instructions of** a program in a high-level programming language
- A **compiler translates** a program in a high-level programming language to machine code

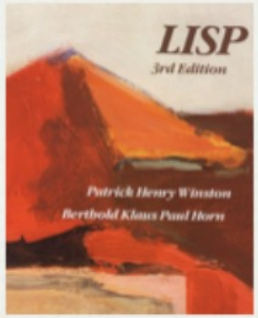
https://en.wikipedia.org/wiki/Interpreter_(computing)

1.3 Interpreters and compilers

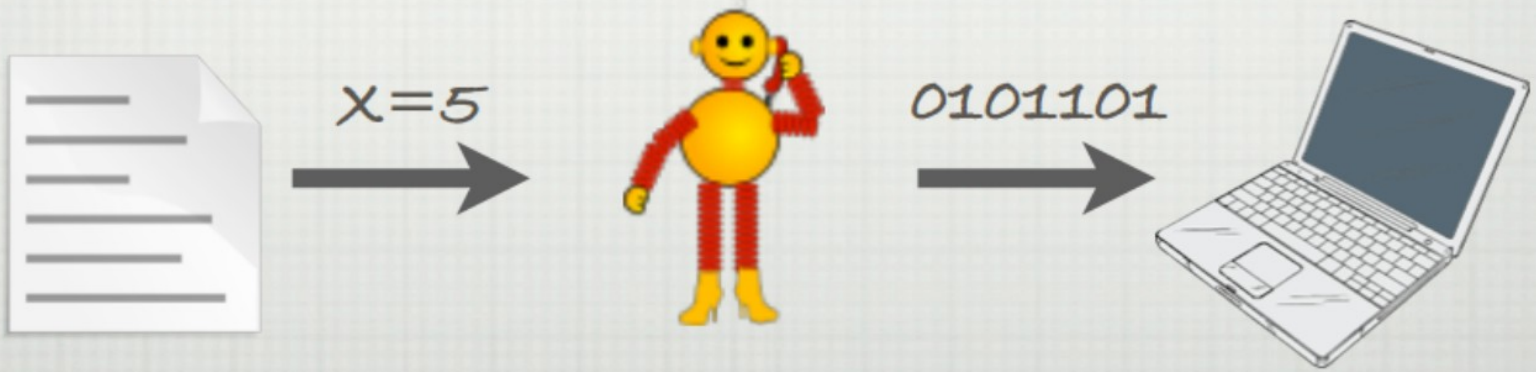


1.3 Interpreters and compilers

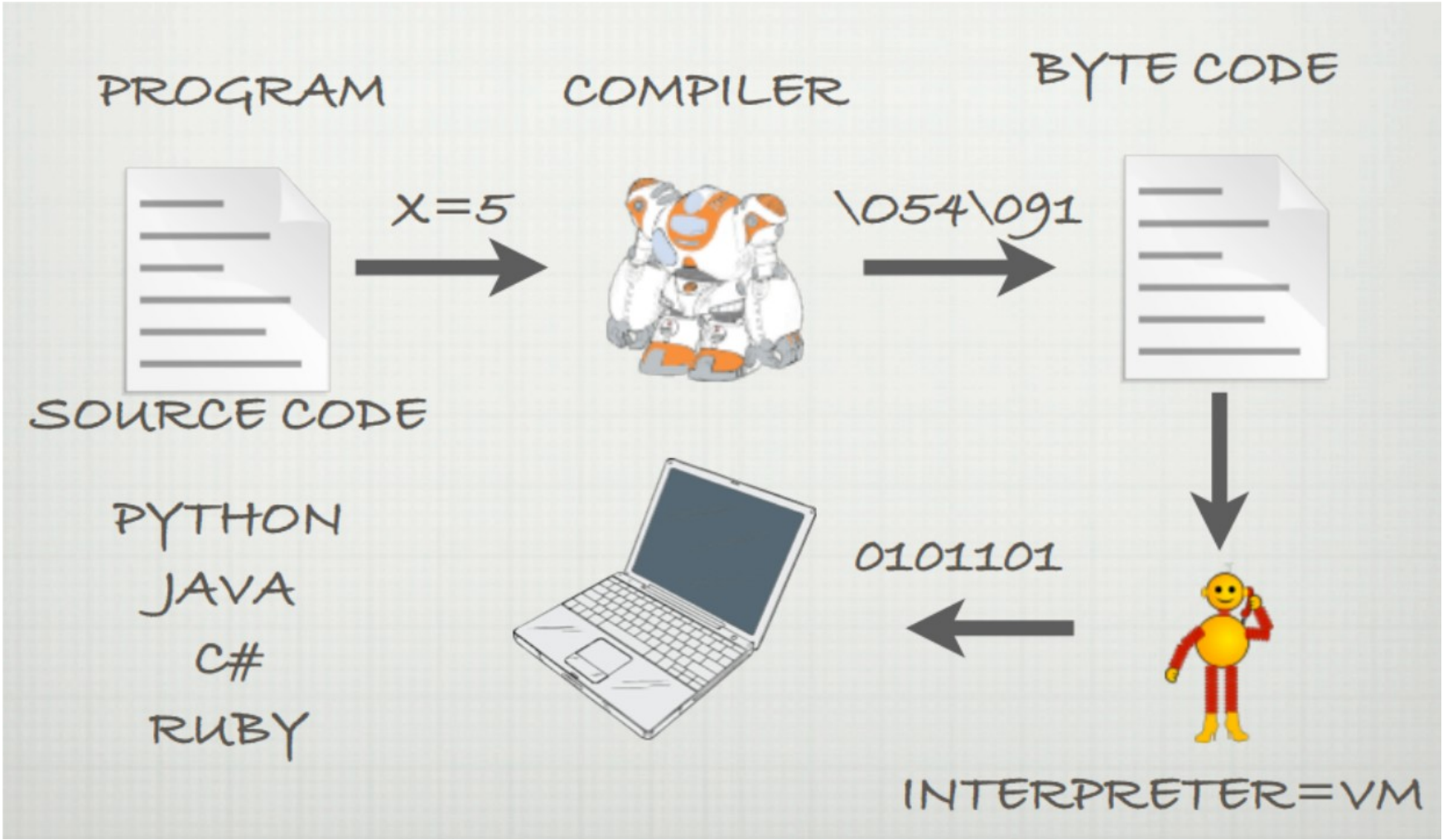
INTERPRETED LANGUAGES



PROGRAM INTERPRETER



1.3 Interpreters and compilers



1.3 Programming languages