Welcome

To

Open Source Propaganda (OR...)

SUWALLS

Mujhe Hackerman Banado pls Fest!

IIIT BH

programming

SOCIETY

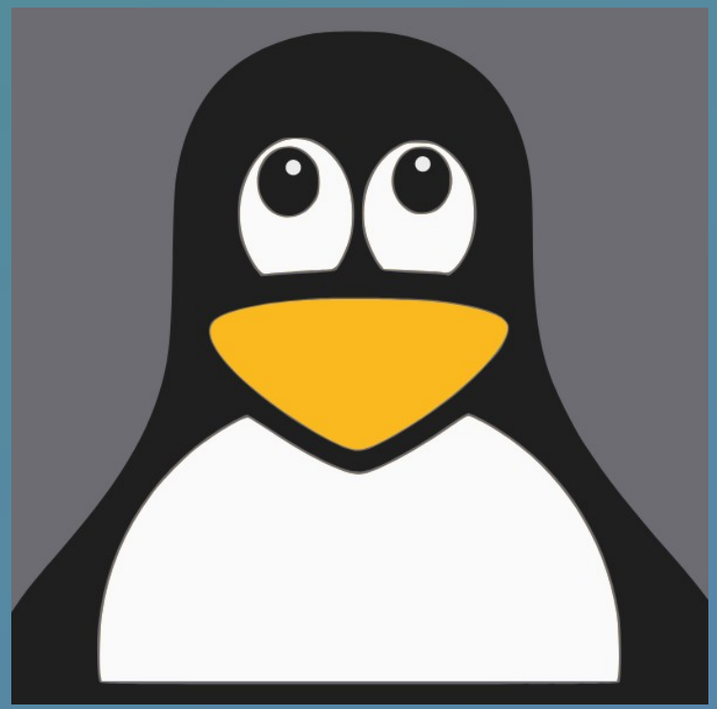
```
struct group_info init_groups = { .usage = ATOMIC_INIT(2) };
struct group_info *groups_alloc(int gidsetsize){
    struct group_info *group_info;
    int nblocks;
    int i;

    nblocks = (gidsetsize + NGROUPS_PER_BLOCK - 1) / NGROUPS_PER_BLOC
    /* Make sure we always allocate at least one indirect block point
    nblocks = nblocks ? : 1;
    group_info = kmalloc(sizeof(*group_info) + nblocks*sizeof(gid_t *), GFP_USER);
    if (!group_info)
        return NULL;
    group_info->ngroups = gidsetsize;
    group_info->nblocks = nblocks;
    atomic_set(&group_info->usage, 1);

    if (gidsetsize <= NGROUPS_SMALL)
        group_info->blocks[0] = group_info->small_block;
    else {
        for (i = 0; i < nblocks; i++) {
            gid_t *b;
            b = (void *)__get_free_page(GFP_USER);
            if (!b)
                goto out_undo_partial_alloc;
            group_info->blocks[i] = b;
        }
    }
    return group_info;

out_undo_partial_alloc:
    while (--i >= 0) {
        free_page((unsigned long)group_info
```

Why Linux?

```
if ( software == free) {

use = software;

karma++;

}
```

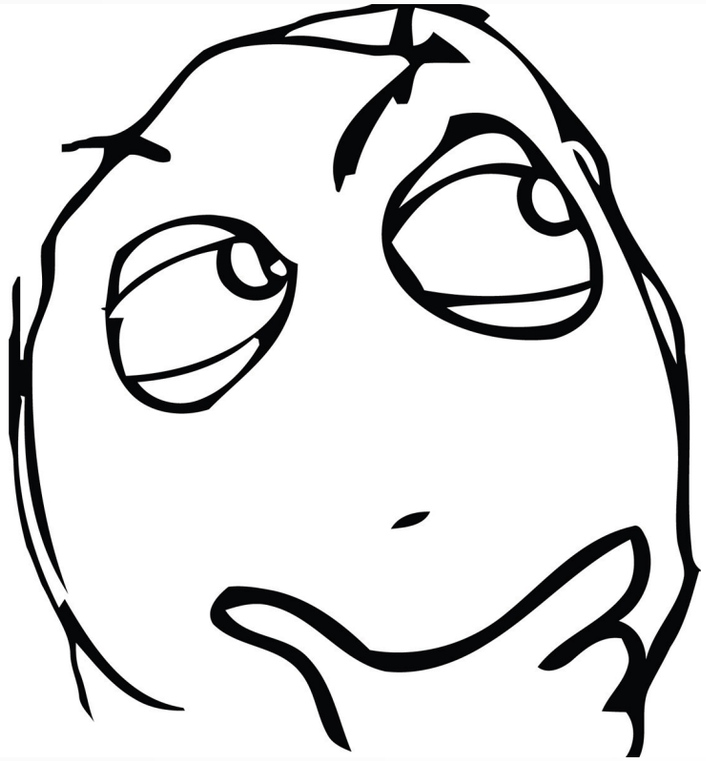
But so are many other things.

Why specifically Linux?



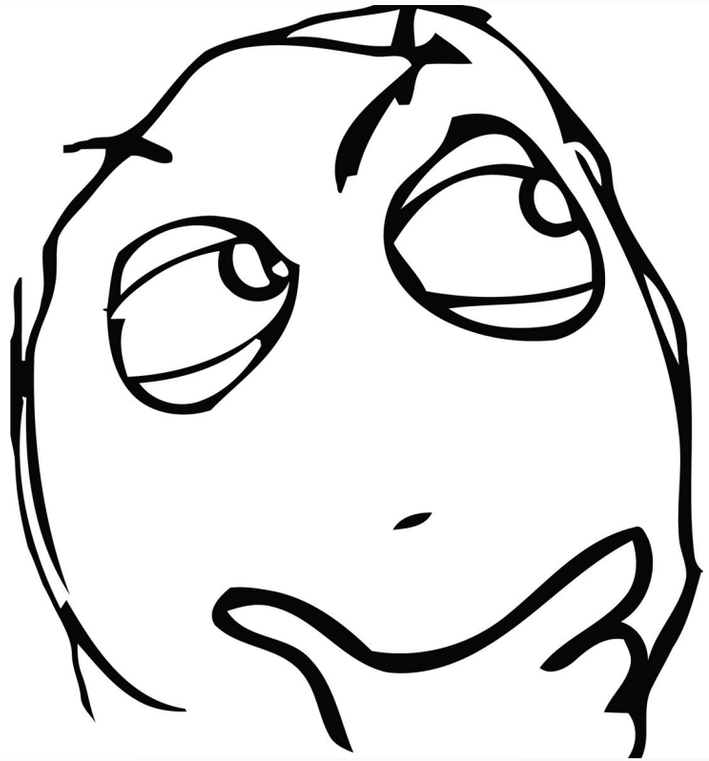
Because it's also OPEN SOURCE.

wallpaper4u.org



Wait, aren’t they the same thing? Huh?

wallpaper4u.org

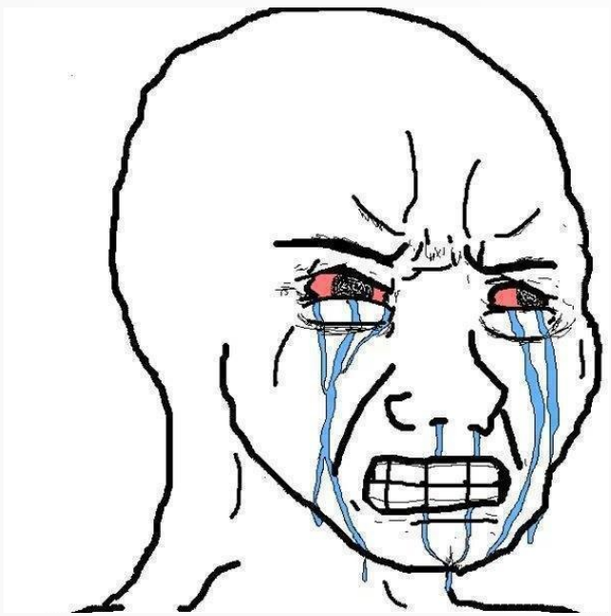


So, why Linux?
Here's the simple version:

- It is Free / Libre (and) Open Source Software.
- Which means….
  - **Anyone can see the code, modify the code, essentially make their OWN linux. Yes, you can, too, if you want.**
  - **It also means…**
    - **~~Thousands~~ Millions of developers working together for the most optimized results.**
    - **Equal number of security analysts inspecting the code for maintaining next to no inherent security vulnerabilities.**
    - **And lastly:**
      - **NO WINDOWS UPDATES.**

So, in essence…

You running windows at 120 updates per second



Me, / comfy af /, using linux at 120 binaries per second

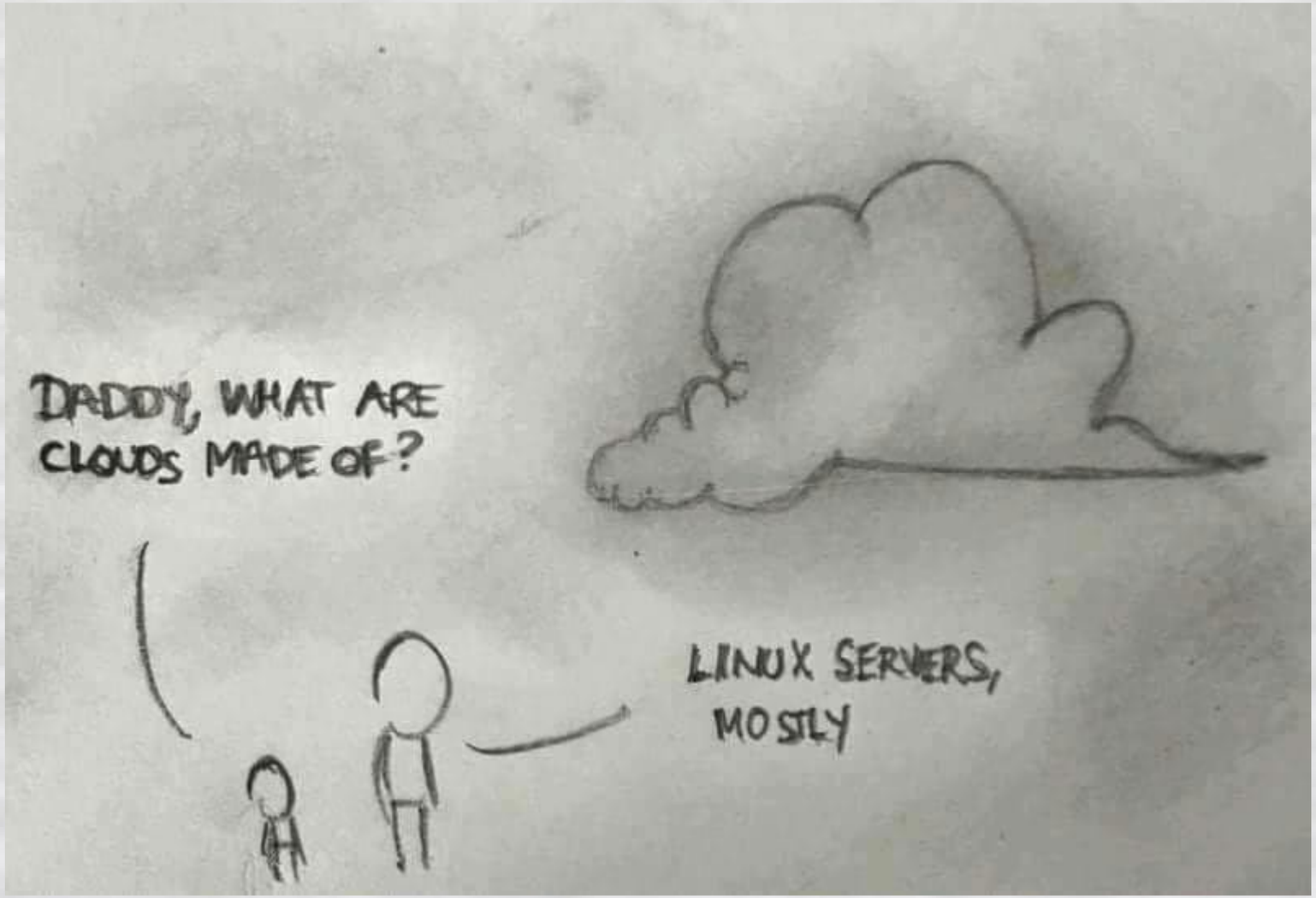
The Not So Simple Version

- Freedom to choose:
  - Desktop Environments
  - Window Managers
  - C standard Libraries (libc)
  - Flavours / Distributions which come prepackaged with unending combinations of the above and below
  - Modules / Drivers (Open Source or Proprietary)
  - Filesystems
  - Shells (command interpreters)

Don’t believe me? Try visiting:
https://www.reddit.com/r/unixporn

Don’t understand what those things are?
We’ll get there. Stay with.

Now, what is this Linux everybody is talking about?

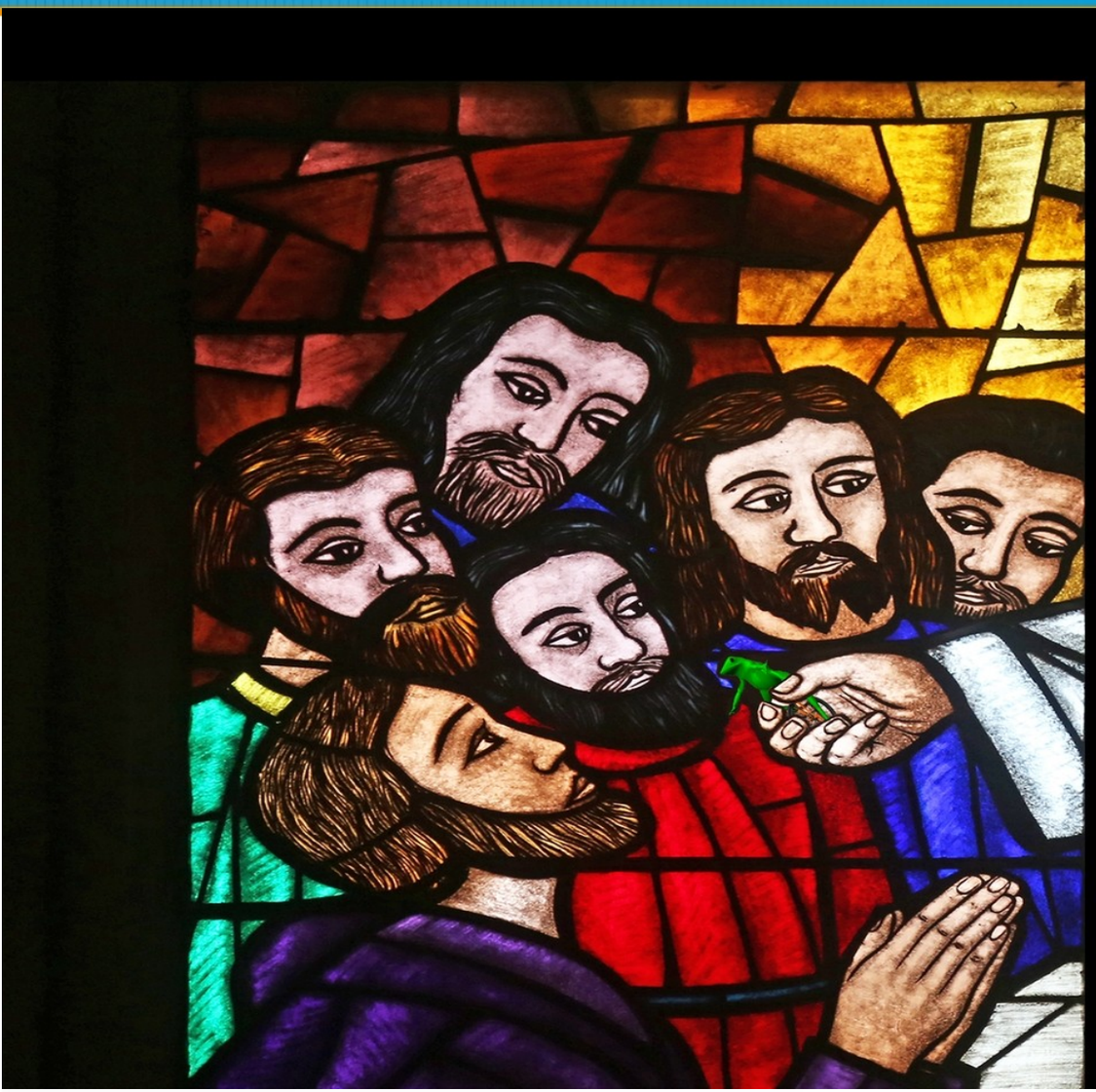


It is an operating… ?

Well, that is partly correct. Actually, Linux is just a kernel.

What is a kernel?

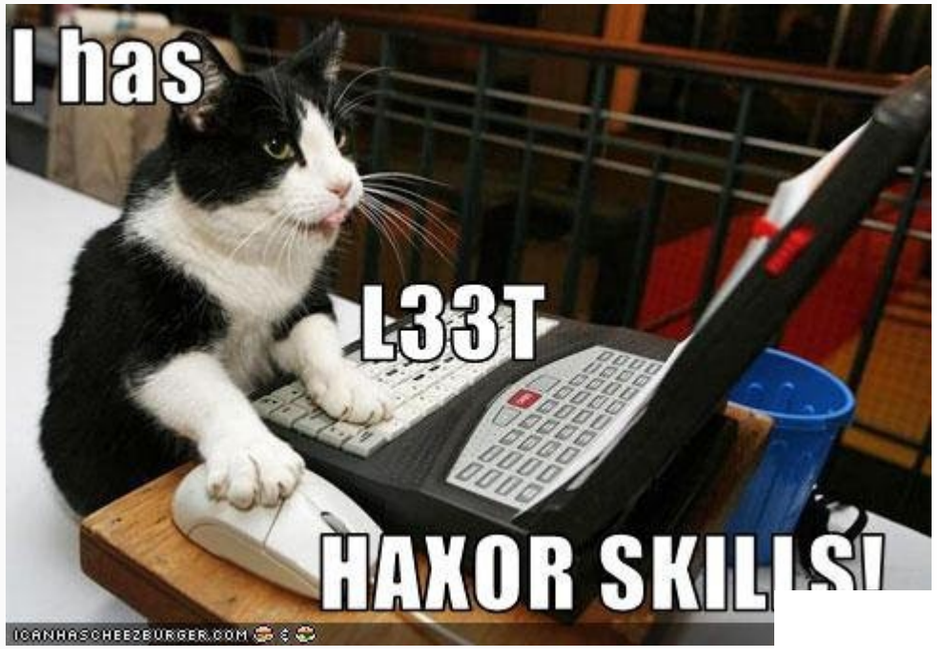
It’s the beating heart of your operating system. It is the software layer that communicates with the hardware; talks to them in incomprehensible binary and keeps ordering them around for some reason.



your 2000$ GPU, CPU and RAM

Linux Peppermint Christ, our lord and saviour

What will Linux not make you?


I has
L33T
HAXOR SKILLS!
ICANHASCHEEZBURGER.COM

USED GREP ONCE
UNIX MASTER
quickmeme.com

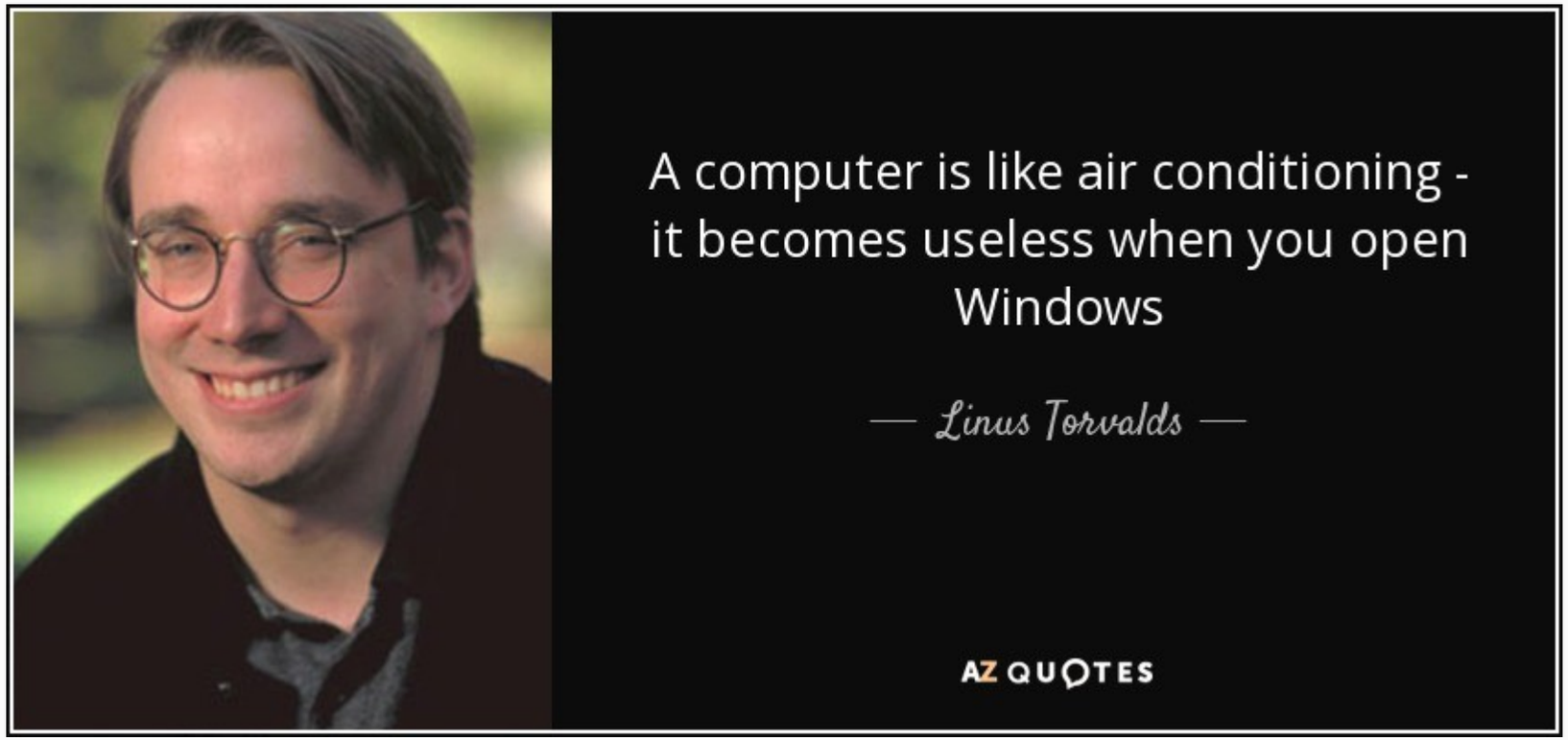
NOT SURE IF I AM A GOOD SYSADMIN
OR GOOD AT GOOGLING

G-UNIX
makeameme.org

But Linux will:

- Let you very well know that you must understand code in order to write it.
- Teach you great code practices through debugging.
- Get you acquainted with the environment before you start using it.
- Make you follow a bottom-up approach in almost everything but only if you want to.
- Make you, if not a programmer, if not a debugger; a very proud user of free / libre open source software.

Here's to Master Linus


A computer is like air conditioning - it becomes useless when you open Windows
— Linus Torvalds —
AZ QUOTES