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GNOME ENVIRONMENT

- The GNU Network Object Model Environment also known as (Gnome), is a powerful and easy to use environment consisting primarily of a panel, a desktop, and a set of GUI tools with which program interfaces can be instructed.

GNOME ENVIRONMENT

GNOME ENVIRONMENT

- Gnome is strongly supported by Red Hat. When you install Red Hat, the default interface is Gnome.
- The default look for Gnome are the colors purple and dark grey, however any color may be favored.

KDE ENVIRONMENT

Invention

- KDE was founded in 1996 by Matthias Ettrich, a student of Eberhard Karls of the University of Tubingen.

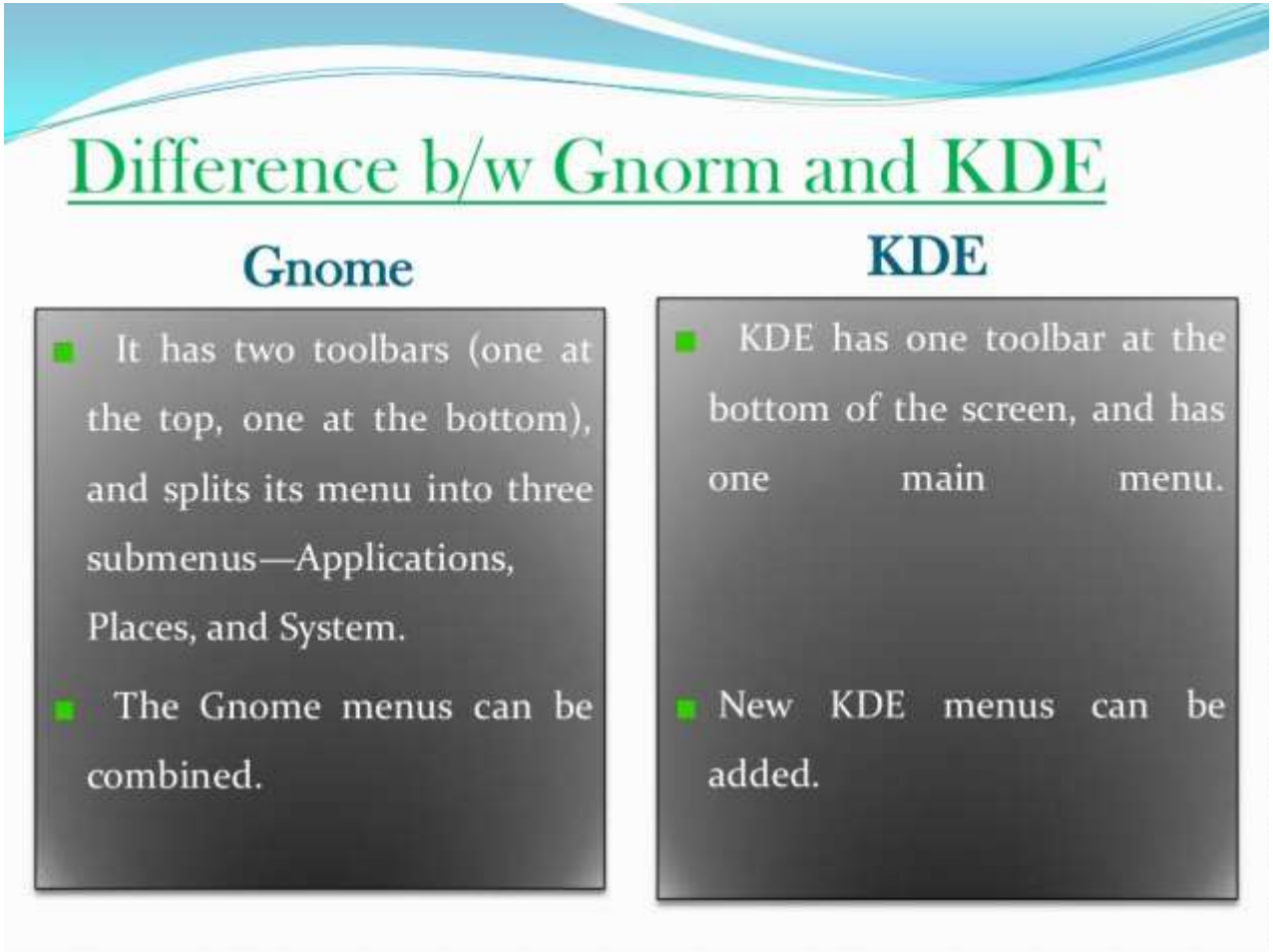
License

- It is an entirely free and open software provide under a GNU public license and is available free of charge along with its source code.

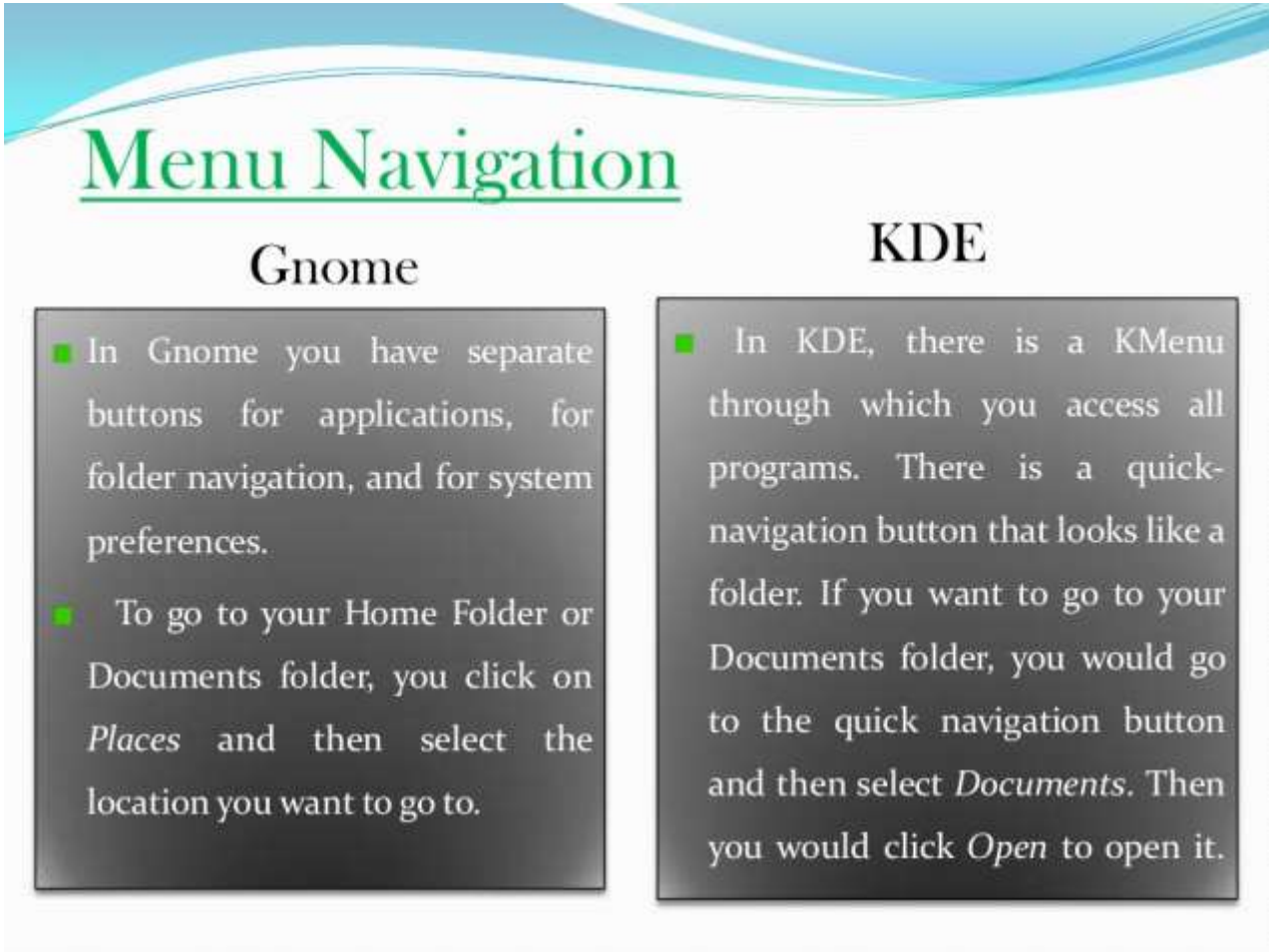
KDE ENVIRONMENT

- Like Gnome, it fully supported by Red Hat and is included as a fully functional alternate desktop with Red Hat Linux distributions.
- KDE by default (this can be changed) favors blue and grey. KDE can be made to be orange.

DIFFERENCE BETWEEN GNOME & KDE



GNOME ENVIRONMENT



GNOME ENVIRONMENT

Gnome

KMenu

GNOME ENVIRONMENT

Renaming Files

- In Gnome, renaming a file also focuses on the main file name, not with a pop-up window.

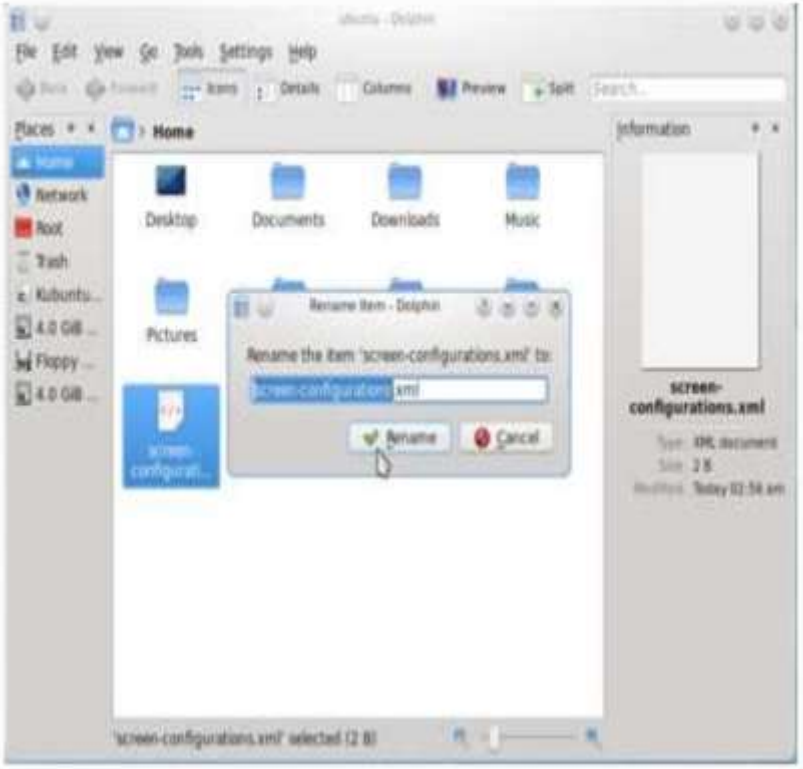
Gnome

KDE ENVIRONMENT

Renaming Files

- KDE, the rename would focus on the entire filename, including the extension. The renaming happens in a pop-up window, which you can confirm or cancel when you're done.

KDE

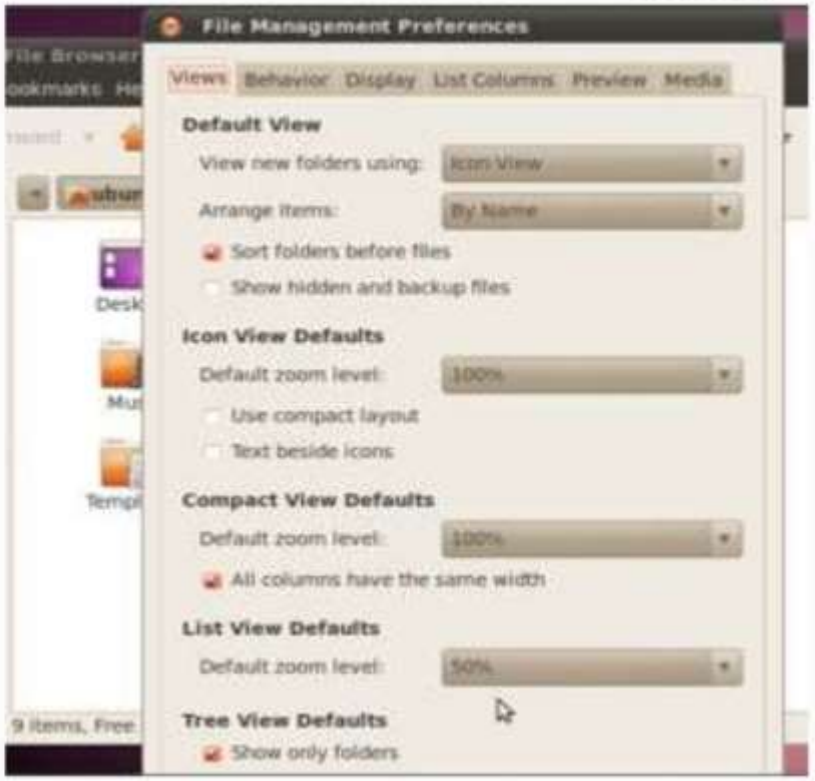


GNOME ENVIRONMENT

File Browser Preferences

Gnome

- In Gnome, you see six main options and then a bunch of other minor options in each submenu.



KDE ENVIRONMENT

File Browser Preferences

KDE

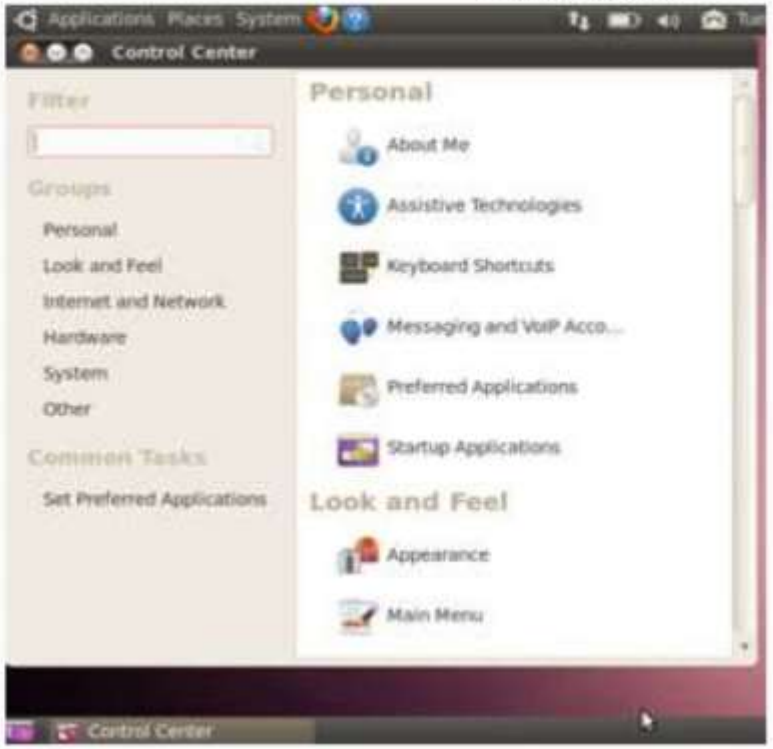
- In the file browser preferences, you see five main options and then a lot of minor options in each submenu.

GNOME ENVIRONMENT

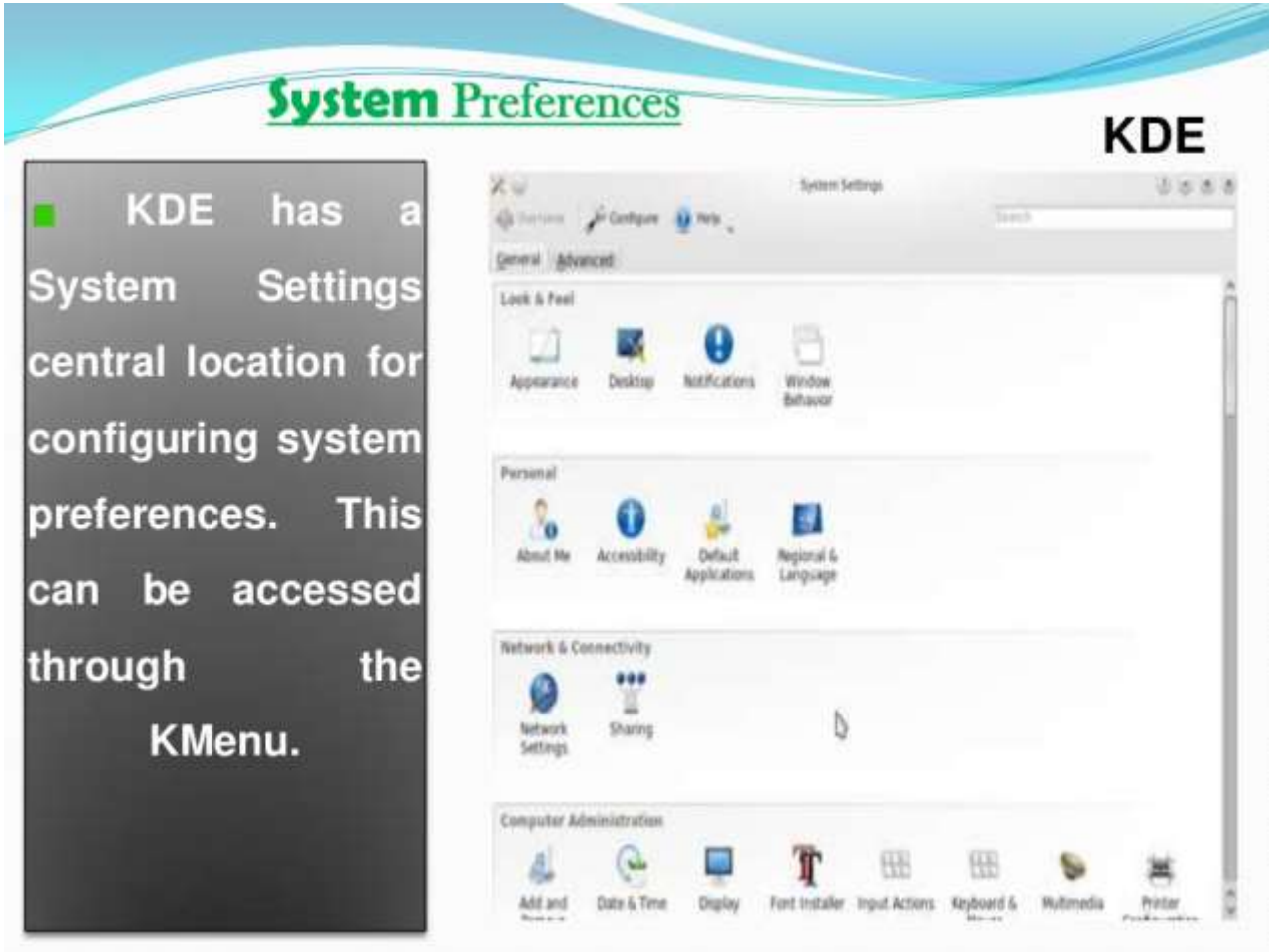
System Preferences

- In Gnome, by default, you access each preference one at a time by going to System > Preferences > and then selecting the item you want.

Gnome



KDE ENVIRONMENT



GNOME ENVIRONMENT

Panel Options

Gnome

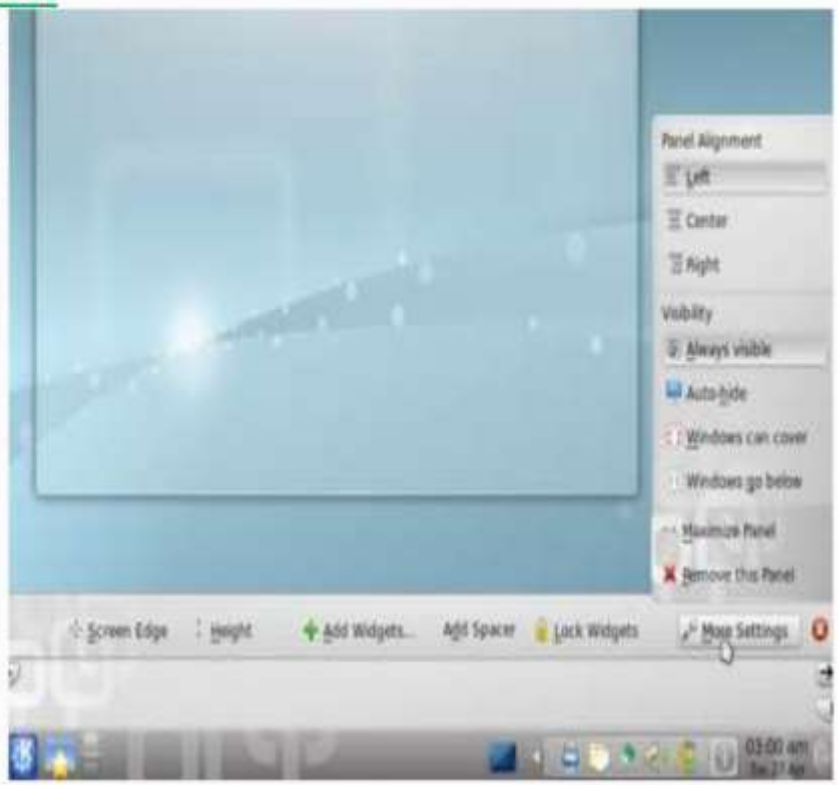
- In Gnome, the options are straightforward for modifying the panel.

KDE ENVIRONMENT

Panel Option

KDE

- In KDE, it used to be so simple to change as the panel was on the top instead of the bottom. It is now mysteriously called *screen edge*.



KDE ENVIRONMENT

Panel Option

KDE

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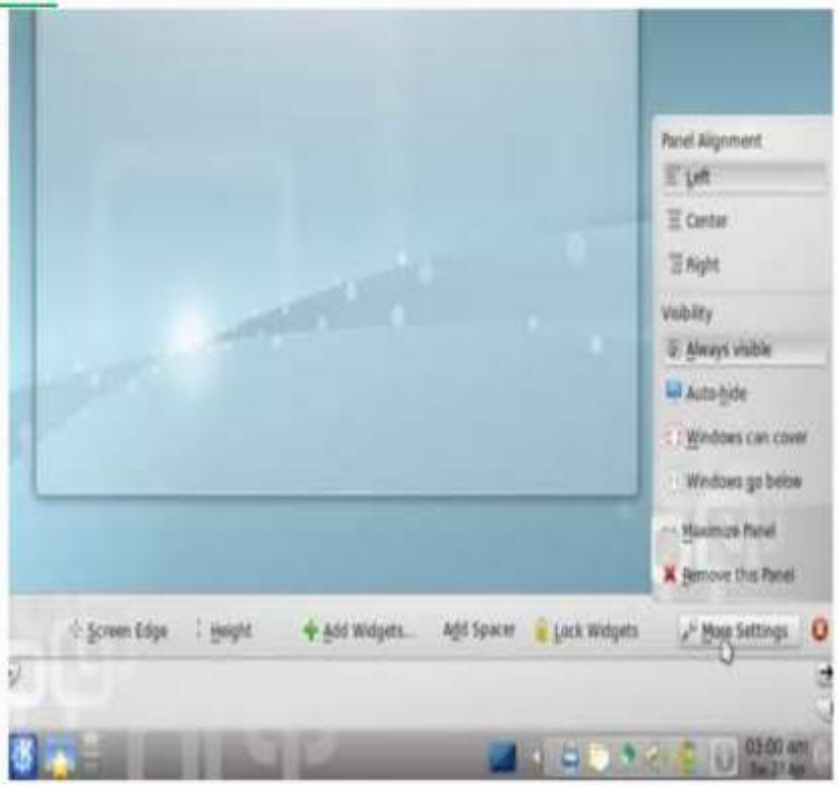


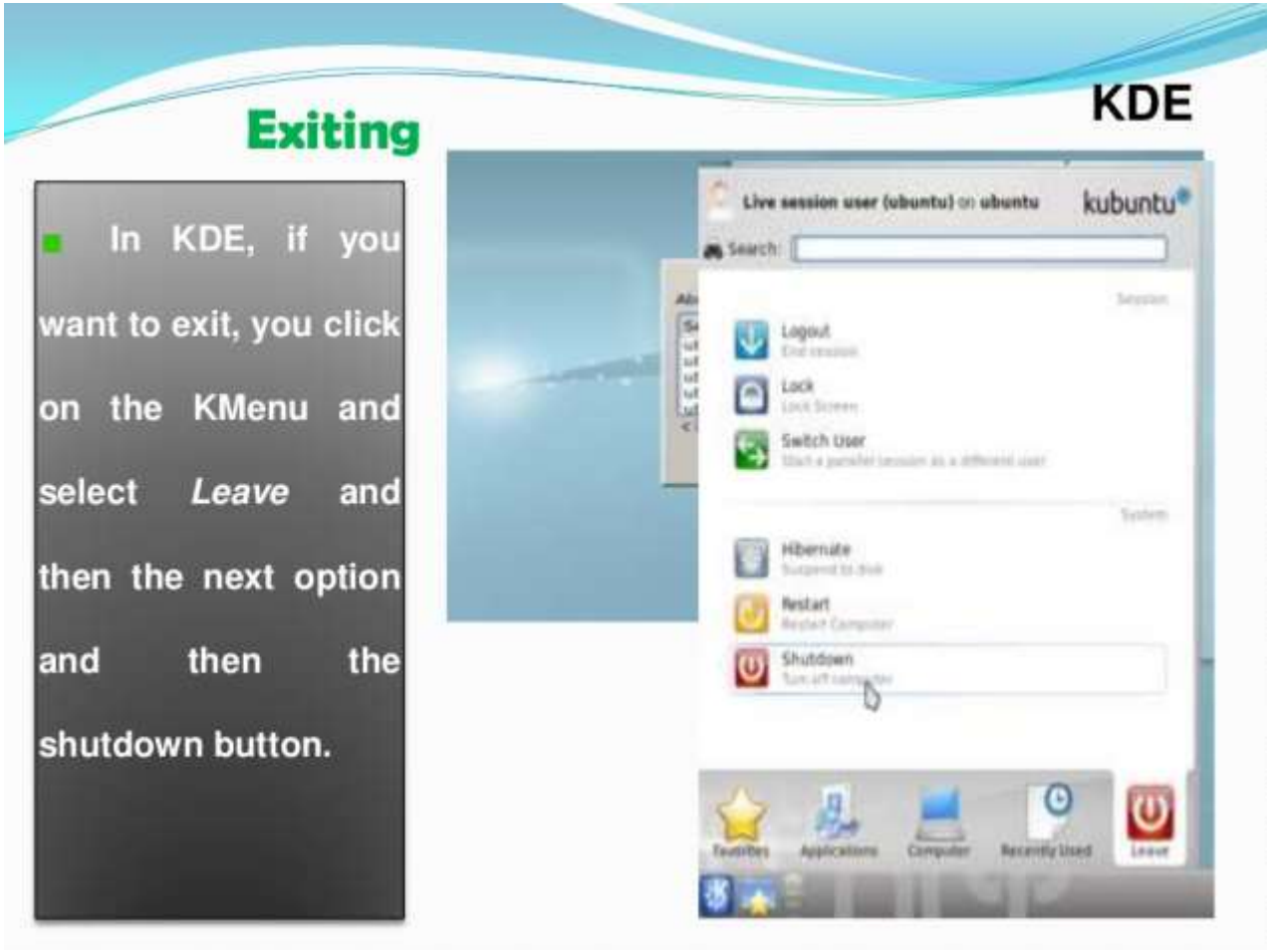
GNOME ENVIRONMENT

Gnome

Exiting

- In Gnome, the exit option moved from in the System menu to its own applet. You click it and the options come down.

KDE ENVIRONMENT



GTK PROGRAMMING

- What is GTK+ program?
- The GTK+ is a library for creating graphical user interfaces.The library is created in C programming language.The GTK+ library is also called the GIMP Toolkit.Today, most of the GUI software in the open source world is created in Qt or in GTK+.

GTK PROGRAMMING

- The GTK+ is an object oriented application programming interface.The object oriented system is created with the Glib object system, which is a base for the GTK+ library.
- The GObject also enables to create language bindings for various other programming languages.Language bindings exist for C++, Python, Perl, Java, C# and other programming languages.

GTK LIBRARIES

- Pango library
- ATK library
- GDK library
- GdkPixbuf library
- Cairo library

GTK LIBRARIES

- It provides various data types, string utilities, enables error reporting, message logging, working with threads and other useful programming features.
- Pango - a library which enables internationalization.
- ATK - accessibility toolkit.This toolkit provides tools which help physically challenged people work with computers.

GTK COMPILATION

- To compile GTK+ applications, we have a handy tool called pkg-config.
- The pkg-config returns metadata about installed libraries.The pkg-config program retrieves information about packages from special metadata files.
- Command-gcc -o simple simple.c
- `pkg-config --libs --cflags gtk+-2.0`

DOWNLOAD AND INSTALL GTK+

- Get glib-1.2.10.tar and gtk+-1.2.10.tar from www.gtk.org. copy glib and gtk source gz and untar using xvf, then

  cd glib*

  ./configure --prefix=/home/fanfan/local

  make

  make install

  export LD_LIBRARY_PATH=/home/fanfan/local/lib

  cd gtk*

  ./configure --prefix=/home/fanfan/local --with-glib-refix=/home/fanfan/local

  make

  make install

DOWNLOAD AND INSTALL GTK+

Then create a gtkenv.sh

export LD_LIBRARY_PATH=/home/fanfan/local/lib

export PATH=/home/fanfan/local/bin:$PATH

alias ggcc='gcc -Wall -g `gtk-config --cflags` `gtk-config --libs`'

Download gqcam-0.8.tar from http://webcam.soruceforge.net/make

start gqcam