Reasons for popularity of Linux OS  
1)Price (It is free and open source)

2)Security (We do not need any anti virus for linux OS)

3)Stability (Not prone to crashes)

4)Support (It has a very strong community support)

Components of Linux OS

Bootloader : When we power on a computer,we need a piece of software which will guide the OS the steps it will take to power on a computer.

Kernel : heart of OS

INIT process : The first process that starts inside the computer.PID = 1 for this process.

Background Services : INIT process will start several child process and these are known as deamons example login , ssh.

Shell : We need something to interact with OS.

Example : Bash (Bourne Again Shell) is the free and enhanced version of the Bourne shell distributed with Linux.

Graphical Environment : provides UI to interact with linux (Xserver) Gnome, KDE

