	Ker	nel compile
Download	Download kernel source code linux-X.Y.Z.tar.bz2 from http://www.kernel.org to the base of the kernel source tree /usr/src/linux	
Clean	make clean	Delete most generated files
	make mrproper	Delete all generated files and kernel configuration
	make distclean	Delete temporary files, patch leftover files, and similar
Configure	make config	Terminal-based (options must be set in sequence)
	make menuconfig	ncurses UI
	make xconfig make gconfig	GUI
	make oldconfig	Create a new config file, based on the options in the old config file and in the source code
	Components (e.g. device drivers) - not compiled	) can be either:
	- not compiled - compiled into the kernel binary, for support of devices always used on the system or necessary for the system to boot - compiled as a kernel module, for optional devices	
	The configuration command creates a /usr/src/linux/.config config file containing instructions for the compile	
Build	make bzImage	Compile the kernel
	make modules	Compile the kernel modules
	make all	Compile kernel and kernel modules
	make -j2 all will speed up compilation by allocating 2 simultaneous compile jobs	
Modules install	make modules_install	Install the previously built modules present in $/\lib/modules/X.Y.Z$
	make install	Install the kernel automatically
Kernel install	To install the kernel by hand:	
	Copy the new compiled kernel and other files into the boot partition cp /usr/src/linux/arch/boot/bzImage /boot/vmlinuz-X.Y.Z (kernel) cp /usr/src/linux/arch/boot/System.map-X.Y.Z /boot cp /usr/src/linux/arch/boot/config-X.Y.Z /boot (config options used for this compile)	
	Create an entry in GRUB to boot on the new kernel	
Package	Optionally, the kernel can be packaged for install on other machines	
	make rpm-pkg	Build source and binary RPM packages
	make binrpm-pkg	Build binary RPM package
	make deb-pkg	Builds binary DEB package

Kernel patching			
Download	Download and decompress the patch to /usr/src		
Patch	patch -p1 < file.patch	Apply the patch	
	patch -Rp1 < file.patch	To remove a patch, you can either apply the patch again or use this command (reverse patch)	
Build	Build the patched kernel as explained previously		
Install	Install the patched kernel as explained previously		