Example Name	Brief Description	GitHub Source
`hello`	Simplest “Hello World” loadable module using `printk`.	martinezjavier/ldd3 – ch2/hello.c
`hello_param`	Demonstrates passing parameters via `insmod` (`module_param`).	ldd3/misc-modules/hellop.c
`export` / `use_export`	Shows how one module exports symbols for another to use.	ldd3/misc-modules/export.c
`scull`	“Simple Character Utility for Loading Localities” — core character driver with `open`, `read`, `write`, etc.	ldd3/scull/
`scullp`, `scullc`, `sculld`, `scullv`	Variants of `scull` showing different memory management models (page-based, chunked, linked, virtual).	ldd3/scull/
`faulty`	Module that deliberately crashes to demonstrate kernel debugging.	mharsch/ldd3-samples/faulty
`oops`	Demonstrates triggering oops and inspecting kernel backtraces.	jesstess/ldd3-examples/faulty
`scullconcurrent`	Shows safe concurrent access using semaphores and spinlocks.	ldd3/scull/
`scullpipe`	Blocking I/O driver using wait queues for read/write synchronization.	ldd3/scull/pipe.c
`sculluid`	Adds file ownership and user-based access control.	ldd3/scull/sculluid.c
`scull_access`	Demonstrates file permission control and `open` policies.	ldd3/scull/scull_access.c
`scullsingle`	Restricts driver to single/multiple open semantics.	ldd3/scull/
`scullm`	Demonstrates mapping kernel memory to user space with `mmap`.	ldd3/scull/mmap.c
`kalloc`	Demonstrates `kmalloc`, `vmalloc`, and slab allocator use.	mharsch/ldd3-samples/memory
`short`	Simulated hardware I/O driver using the parallel port for I/O access and interrupt simulation.	ldd3/short/
`shortprint`	Debug printing version of `short` for port I/O visibility.	ldd3/short/shortprint.c
`shortirq`	Demonstrates interrupt handling and shared IRQs.	ldd3/short/shortirq.c
`shortprintirq`	Interrupt handler with detailed event logging.	ldd3/short/shortprintirq.c
`jit`	“Jiffy Interrupt Timer” — shows kernel timers, delays, and scheduling.	ldd3/jit/

Example Name	Brief Description	GitHub Source
`jiq`	Demonstrates workqueues and bottom-half scheduling.	ldd3/jit/jiq.c
`pipe_example`	Reader/writer synchronization via blocking I/O.	ldd3/scull/pipe.c
`poll_example`	Demonstrates `poll()` and `select()` system calls.	ldd3/scull/pipe.c
`usb-skeleton`	Minimal USB driver template used in Linux kernel examples.	mharsch/ldd3-samples/usb-skeleton
`usbled`	Simple driver controlling a USB LED device.	mharsch/ldd3-samples/usbled
`pci_skel`	Simple PCI probe/remove demo driver.	mharsch/ldd3-samples/pci-skel
`pci_dma`	Demonstrates PCI DMA buffer allocation and transfer.	mharsch/ldd3-samples/pci-skel/dma.c
`snull`	“Simple Network Utility for Loading Localities” — in-RAM virtual network driver implementing `net_device`.	ldd3/snull/
`sbull`	“Simple Block Utility for Loading Localities” — RAM disk block driver using request queues.	ldd3/sbull/
`tty_driver`	Simplified TTY example showing `tty_driver` registration and basic I/O.	mharsch/ldd3-samples/tty
`misc_module`	Registers a device via `misc_register()`.	ldd3/misc-modules/misc-mod.c
`procfs_example`	Demonstrates creating and managing `/proc` entries.	ldd3/misc-modules/procfs.c