

# DEBUGGER CHEAT SHEET

## Execution Commands

Task	Windows gdb Command	OS X / Linux lldb Command
Run program	r [args]	r [args]
Step into next command	s	s
Step over next command	n	n
Step out of current stack frame	finish	finish
Continue execution	continue	continue

## Breakpoint Commands

Task	Windows gdb Command	OS X / Linux lldb Command
Insert breakpoint	b <filename.ext:Line#>	b <filename.ext:Line#>
List breakpoints	info b	br l
Enable breakpoint	enable <breakpoint#>	br en <breakpoint#>
Disable breakpoint	disable <breakpoint#>	br dis <breakpoint#>
Delete breakpoint	delete <breakpoint#>	br del <breakpoint#>

## Examining Variables Commands

Task	Windows gdb Command	OS X / Linux lldb Command
Show arguments for current frame	info args	fr v
Show local variables for current frame	info locals	fr v
Show global variables for current file		ta v
Print contents of variable	p <var>	p <var>

## Examining Stack Frame Commands

Task	Windows gdb Command	OS X / Linux lldb Command
Show the stack backtrace	bt	bt
Print current stack frame	frame	fr i
Select a different stack frame	frame <#>	fr <#>
Select the stack frame that called the current stack frame	up [#]	up [#]
Select the stack frame that is called by the current stack frame	down [#]	down [#]

For a fuller list of commands available both to gdb and lldb, visit <https://lldb.lvm.org/use/map.html>.