Linux Signal Handler Recap

- When the signal is delivered to the current process, Linux already set up a signal stack for us. The default stack is placed below the current stack pointer's location.
- Linux kernel has assumptions about the layout of the signal handler frame. The lowest 8 byte points to the user signal restorer stub.
- Below the stack frame is the signal handler. Hence when the signal handler returns, it will automatically invoke the user signal restore stub and trap it back to the kernel again to ask the kernel to clean up and restore the original context when the signal happened.