

## LECTURE # 12 LAB TASKS –SYSTEM PROGRAMMING

1. Write a simple program using `signal()` function for handling `SIGINT` and `SIGTERM` signals in different handlers.
2. Write a simple program using `signal()` function to send a user defined signal to a child process from parent process. (`SIGUSR1`)
3. Write a simple program using `raise()` or `kill()` to generate a signal for a current running process itself.
4. Write a simple program using `sigaction()` function to display process id of signal generating process. Generate any signal (`SIGINT`, `SIGTERM`, etc..) using terminal for the running process.
5. Write a simple program using `sigset_t` variable and appropriate `sigaction` structure fields to block some signals.
6. Write a simple program using `sigprocmask()` function to block permanently some signals.
7. Write a simple program using `sigprocmask()` function to block temporarily some signals and handle `SIGINT` in handler.