Universidad de Puerto Rico
Recinto Universitario de Mayagüez
Departamento de Ingeniería Eléctrica y de Computadoras
ICOM 5007 Programación de Sistemas Operativos

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Fecha de entrega: Antes de la próxima reunión del laboratorio
Asunto del email: icom5007-lastnameInitial-lab1
Entregables: Los códigos fuentes utilizados para resolver los problemas

Laboratorio 1: Signal handling

1. Give an example of 4 Program Error Signals, and explain the usage of each one.
2. Give an example of 4 Termination Signals, and explain the usage of each one.
3. What signal is impossible to handle and/or ignore?, Why?

4. Create the following file: signalHandling.c

4.1 Handling signals

a) Create a program to handle the following signals(signalHandling.c):
   SIGINT
   SIGQUIT
   SIGTERM
   SIGFPE
   SIGSEGV
   SIGILL

4.2 Launching signals

a) Use the kill program to send the following signals:
   SIGINT
   SIGQUIT
   SIGTERM

b) Use shortcuts to send the following signals:
   SIGINT
   SIGQUIT

c) Recreate a programmatically error to send the following signals:

SIGFPE
SIGSEGV

d) Use the rise function to launch the following signals:
SIGILL

4.3 Ignoring signals

Ignore a signal using SIG_IGN.

Useful resources:
signalSample.c (In this directory)
http://www.gnu.org/software/libc/manual/html_mono/libc.html#Signal-Handling
http://www.csl.mtu.edu/cs4411.ck/www/NOTES/signal/kill.html