**Part 1:**

**1)**

wget cs.uww.edu/~osterz/701/fork-ex.c

wget cs.uww.edu/~osterz/701/infiloop.c

gcc -o fork-ex fork-ex.c

gcc -o infiloop infiloop.c

**2)**

./fork-ex &

**3)**

top

PID: 10660

**4)**

./fork-ex &

top

PID: 11437

**5)**

renice 5 10660

top

The infiloop priorities were both already at +5, so setting it to +5 with the above command does not change anything. However the trend that we would see is if my case the 10660 infiloop was given a higher priority of 5 and say the 11437 infiloop was given a priority of 10. The 10660 would have the higher priority and would have priority of the use of more of the CPU% when using the top command, being located above the 11437 infiloop.

**6)**

renice 15 10660

top

Now the 10660 infiloop is located below the 11437 infiloop and is seen using less CPU% than the 11437. This is because the 11437 is now a higher priority than the 10660, so it will use resources first and then the next priority 10660 will get use of the resources such as the CPU.

**7)**

kill -9 10660

kill -9 11437

**8)**

ps aux | grep fork-ex

I did not have any fork-ex processes still running, but if I did the kill command would be:

kill -9 [PID of fork-ex process]

**Part 2:**

**4)**

┌──(kali㉿kali)-[~]

└─$ MYNEWVARIABLE="Gunnar"

**5)**

┌──(kali㉿kali)-[~]

└─$ echo $MYNEWVARIABLE

Gunnar

**6)**

┌──(kali㉿kali)-[~]

└─$ export MYNEWVARIABLE

**7)**

┌──(kali㉿kali)-[~]

└─$ echo $PATH

/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin:/usr/local/games:/usr/games:/root/newhackingtool

**8)**

┌──(kali㉿kali)-[/home]

└─$ PATH=$PATH:/home

┌──(kali㉿kali)-[/home]

└─$ echo $PATH

/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin:/usr/local/games:/usr/games:/home

**9)**

┌──(kali㉿kali)-[~]

└─$ PS1="World's Greatest Hacker:"

World's Greatest Hacker: