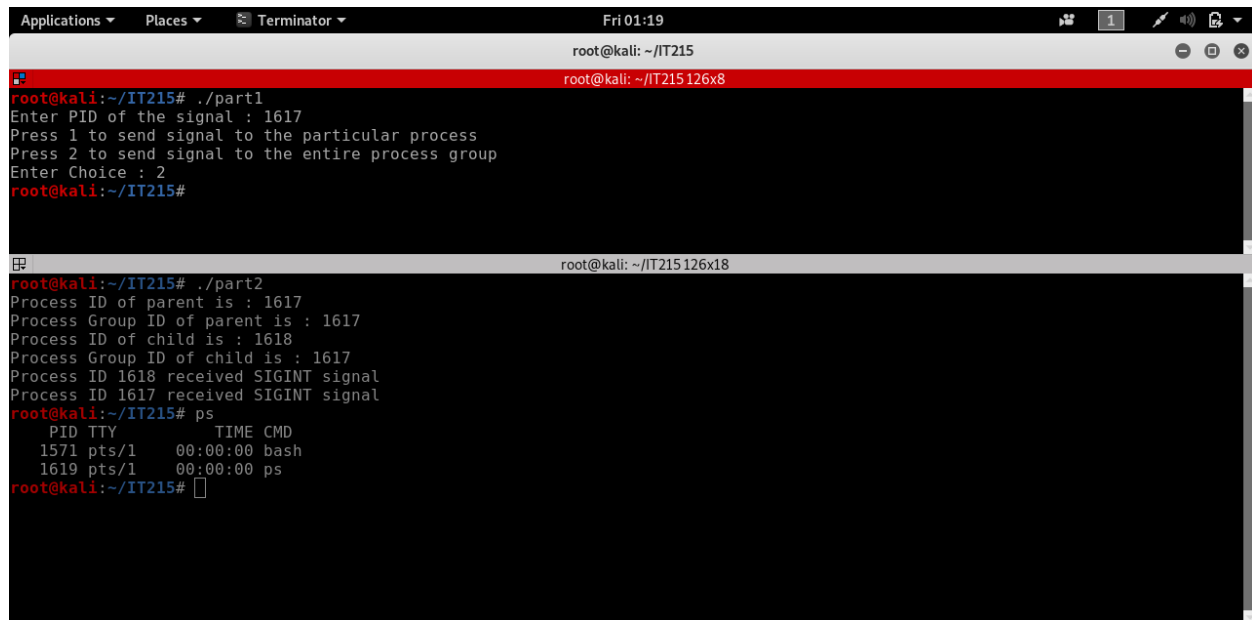


Execution 1:



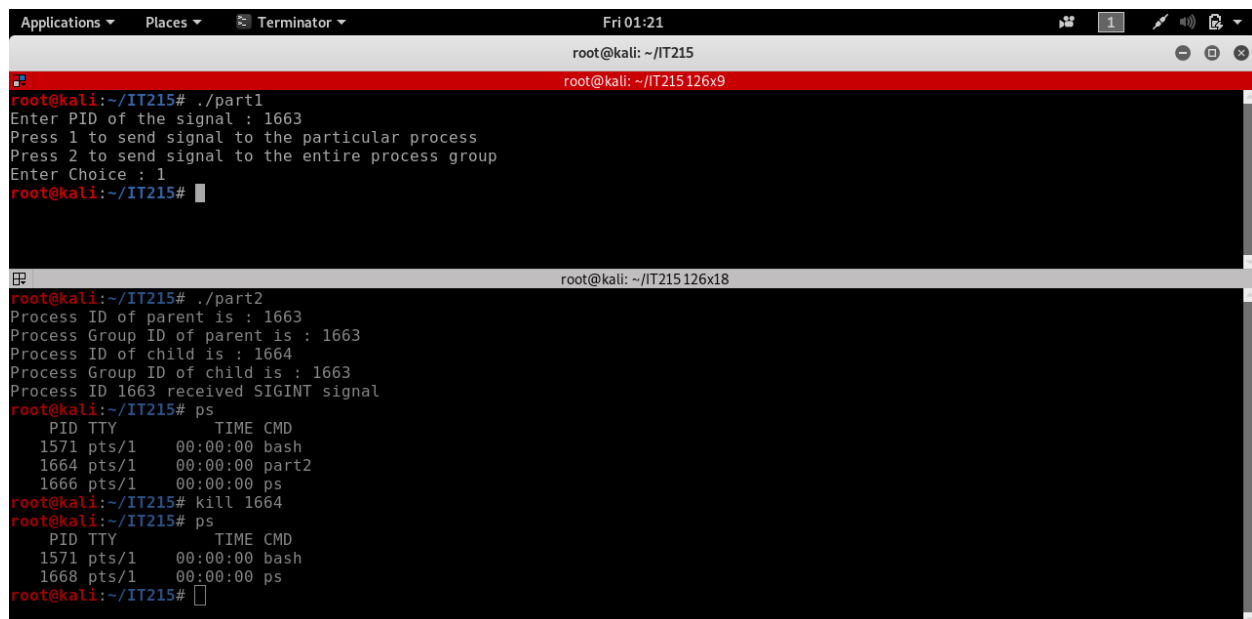
The screenshot shows a Kali Linux terminal window titled "Fri 01:19". The terminal is running a program in the directory ~/IT215. The user enters the command ./part1, which prompts for a PID. The user enters 1617. The program then prompts for a choice to send a signal to either the particular process (1) or the entire process group (2). The user enters 2. The program then displays the following information:

```
root@kali:~/IT215# ./part1
Enter PID of the signal : 1617
Press 1 to send signal to the particular process
Press 2 to send signal to the entire process group
Enter Choice : 2
root@kali:~/IT215#
```

The terminal then displays the following information:

```
root@kali:~/IT215# ./part2
Process ID of parent is : 1617
Process Group ID of parent is : 1617
Process ID of child is : 1618
Process Group ID of child is : 1617
Process ID 1618 received SIGINT signal
Process ID 1617 received SIGINT signal
root@kali:~/IT215# ps
  PID TTY          TIME CMD
 1571 pts/1    00:00:00 bash
 1619 pts/1    00:00:00 ps
root@kali:~/IT215#
```

Execution 2:



The screenshot shows a Kali Linux terminal window titled "Fri 01:21". The terminal is running a program in the directory ~/IT215. The user enters the command ./part1, which prompts for a PID. The user enters 1663. The program then prompts for a choice to send a signal to either the particular process (1) or the entire process group (2). The user enters 1. The program then displays the following information:

```
root@kali:~/IT215# ./part1
Enter PID of the signal : 1663
Press 1 to send signal to the particular process
Press 2 to send signal to the entire process group
Enter Choice : 1
root@kali:~/IT215#
```

The terminal then displays the following information:

```
root@kali:~/IT215# ./part2
Process ID of parent is : 1663
Process Group ID of parent is : 1663
Process ID of child is : 1664
Process Group ID of child is : 1663
Process ID 1663 received SIGINT signal
root@kali:~/IT215# ps
  PID TTY          TIME CMD
 1571 pts/1    00:00:00 bash
 1664 pts/1    00:00:00 part2
 1666 pts/1    00:00:00 ps
root@kali:~/IT215# kill 1664
root@kali:~/IT215# ps
  PID TTY          TIME CMD
 1571 pts/1    00:00:00 bash
 1668 pts/1    00:00:00 ps
root@kali:~/IT215#
```

```
Applications ▾ Places ▾ Terminator ▾ Fri 01:23
root@kali: ~/IT215
root@kali: ~/IT215 126x12
root@kali:~/IT215# ./part1
Enter PID of the signal : 1740
Press 1 to send signal to the particular process
Press 2 to send signal to the entire process group
Enter Choice : 1
root@kali:~/IT215# ./part1
Enter PID of the signal : 1739
Press 1 to send signal to the particular process
Press 2 to send signal to the entire process group
Enter Choice : 1
root@kali:~/IT215#

root@kali:~/IT215# ./part2
Process ID of parent is : 1739
Process Group ID of parent is : 1739
Process ID of child is : 1740
Process Group ID of child is : 1739
Process ID 1740 received SIGINT signal
Process ID 1739 received SIGINT signal
root@kali:~/IT215#
```

Execution 3:

```
Applications ▾ Places ▾ Terminator ▾ Fri 01:27
root@kali: ~/IT215
root@kali: ~/IT215 126x9
root@kali:~/IT215# ./part1
Enter PID of the signal : 1815
Press 1 to send signal to the particular process
Press 2 to send signal to the entire process group
Enter Choice : 2
root@kali:~/IT215#

root@kali:~/IT215# ./part3
Process ID of parent is : 1815
Process Group ID of parent is : 1815
Process ID of child is : 1816
Process Group ID of child is : 1816
Process ID 1815 received SIGINT signal
root@kali:~/IT215# ps
  PID TTY          TIME CMD
 1571 pts/1    00:00:00 bash
 1816 pts/1    00:00:00 part3
 1817 pts/1    00:00:00 ps
root@kali:~/IT215# kill 1816
root@kali:~/IT215#
```