## **DEVICE DRIVERS PRACTICE**

## **EXERCISE - 4**

## Bhaavanaa Thumu - CED17I021

**Question** - To have two mouse cursors on monitor.

**Note** - Sir, I do not have an external USB mouse at home right now. Hence, I won't be able to attach an external pointer for the exercise.

```
dell@bhaavanaa: ~
  ll@bhaavanaa:-$ xinput
  Virtual core pointer
                                                                     [master pointer
    4 Virtual core XTEST pointer
                                                                    [slave pointer (2)]
[slave pointer (2)]
    4 Synaptics TM3096-006
                                                          id=11
  Virtual core keyboard

4 Virtual core XTEST keyboard
                                                                    [master keyboard (2)]
[slave keyboard (3)]
                                                          10=3
                                                          1.d=5
    4 Power Button
4 Video Bus
                                                          td=6
                                                                     [slave keyboard (3)]
                                                          1d=7
                                                                     [slave
                                                                             keyboard (3)
    4 Power Button
                                                          id=8
                                                                     [slave keyboard (3)
    4 Sleep Button
                                                          id=9
                                                                     [slave
                                                                              keyboard
    4 Integrated Webcam_HD: Integrate
                                                          id=10
                                                                     [slave keyboard (3)]
                                                                    [slave keyboard (3)]
[slave keyboard (3)]
     Intel HID events
                                                          id=12
     Dell WMI hotkeys
                                                          id=13
                                                                              keyboard (3)]
    4 AT Translated Set 2 keyboard
                                                          id=14 [slave keyboard (3)]
dell@bhaavanaa:-$ xinput create-master Pointer2
dell@bhaavanaa:-$ xinput
                                                                    [master pointer (3)]
[slave pointer (2)]
  Virtual core pointer

4 Virtual core XTEST pointer
                                                         1d=2
1d=4
    ♦ Synaptics TM3096-006
                                                                    [slave pointer (2)]
[master keyboard (2)]
                                                          id=11
  Virtual core keyboard
                                                          td=3
    4 Virtual core XTEST keyboard
                                                          id=5
                                                                     [slave keyboard (3)]
    4 Power Button
                                                                     [slave
                                                                              keyboard (3)
                                                                    [slave
[slave
    4 Video Bus
                                                          id=7
                                                                              keyboard (3)
     4 Power Button
                                                          id=8
                                                                    [slave
    4 Sleep Button
                                                          td=9

↓ Integrated_Webcam_HD: Integrate
↓ Intel HID events

                                                          id=10
                                                                     [slave
                                                                              keyboard (3)
                                                          id=12
                                                                     [slave keyboard (3)]

↓ Dell WMI hotkeys

                                                          ld=13
                                                                     [slave
                                                                             keyboard
    AT Translated Set 2 keyboard
                                                          id=14
                                                                     [slave keyboard (3)]
                                                        id=15
id=17
                                                                    [master pointer (16)]
[slave pointer (15)]
 Pointer2 pointer
    ♣ Pointer2 XTEST pointer
  Pointer2 keyboard

4 Pointer2 XTEST keyboard
                                                          id=16 [master keyboard (15)]
id=18 [slave keyboard (16)]
dell@bhaavanaa:-$ xinput remove-master 15
dell@bhaavanaa:-$ xinput
 Virtual core pointer

4 Virtual core XTEST pointer
                                                                    [master pointer (3)]
[slave pointer (2)]
[slave pointer (2)]
                                                          id=2
                                                          id=4
    4 Synaptics TM3096-006
                                                          id=11
  Virtual core keyboard
                                                          1d=3
                                                                     [master keyboard (2)]
    4 Virtual core XTEST keyboard
                                                          td=5
                                                                     [slave keyboard (3)
    4 Power Button
                                                                              keyboard (3)
keyboard (3)
                                                                     [slave
     ♦ Video Bus
                                                          1d=7
                                                                     [slave
                                                                    [slave
[slave
     Power Button
                                                          td=8
    & Sleep Button
                                                          td=9

↓ Integrated_Webcam_HD: Integrate
↓ Intel HID events

                                                                    [slave keyboard
                                                          id=18
                                                          id=12
                                                                    [slave
                                                                             keyboard
    4 Dell WMI hotkeys
                                                          id=13
                                                                     [slave keyboard (3)]
    4 AT Translated Set 2 keyboard
                                                          id=14
                                                                    [slave
                                                                              keyboard (3)
  ll@bhaavanaa:~$
```

```
### delighbasysnes -

### is staput

### is staput
```

An extra cursor (Pointer2) has been created.