

Creating Two Mouse Pointers :

1. To list available input devices command 'xinput' is used.

```
hp@hp-HP-Pavilion-Laptop-15-cc1xx: ~  
hp@hp-HP-Pavilion-Laptop-15-cc1xx:~$ xinput  
Virtual core pointer           id=2    [master pointer (3)]  
↳ Virtual core XTEST pointer  id=4    [slave pointer (2)]  
↳ ETPS/2 Elantech Touchpad     id=13   [slave pointer (2)]  
↳ Logitech USB Optical Mouse   id=10   [slave pointer (2)]  
Virtual core keyboard         id=3    [master keyboard (2)]  
↳ Virtual core XTEST keyboard id=5    [slave keyboard (3)]  
↳ Power Button                 id=6    [slave keyboard (3)]  
↳ Video Bus                    id=7    [slave keyboard (3)]  
↳ Video Bus                    id=8    [slave keyboard (3)]  
↳ Power Button                 id=9    [slave keyboard (3)]  
↳ HP Wide Vision HD Camera: HP Wi id=11   [slave keyboard (3)]  
↳ AT Translated Set 2 keyboard id=12   [slave keyboard (3)]  
↳ HP WMI hotkeys               id=14   [slave keyboard (3)]  
↳ HP Wireless hotkeys         id=15   [slave keyboard (3)]  
hp@hp-HP-Pavilion-Laptop-15-cc1xx:~$
```

From the above output, it's seen that the external wired mouse has id=10 and inbuilt touchpad mouse has id=13.

2. Create a new pointer using xinput create-master Pointer2.

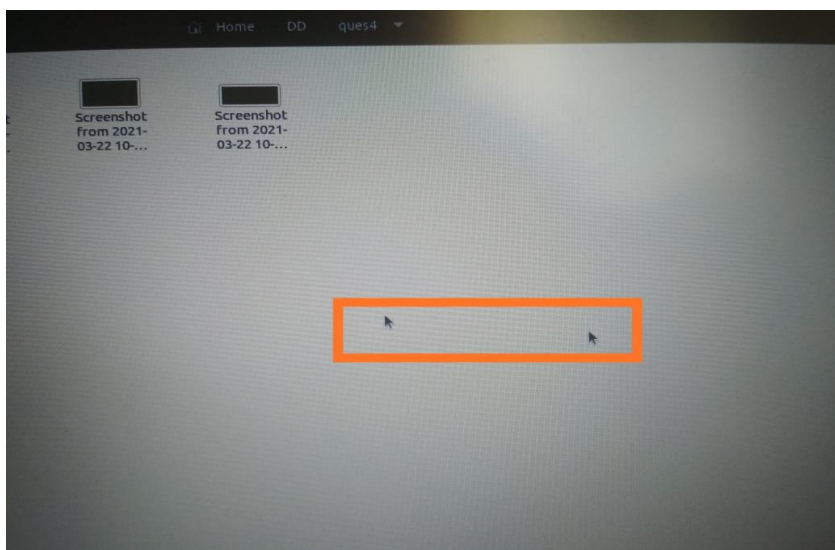
```
hp@hp-HP-Pavilion-Laptop-15-cc1xx: ~  
hp@hp-HP-Pavilion-Laptop-15-cc1xx:~$ xinput create-master Pointer2  
hp@hp-HP-Pavilion-Laptop-15-cc1xx:~$ xinput  
Virtual core pointer           id=2    [master pointer (3)]  
↳ Virtual core XTEST pointer  id=4    [slave pointer (2)]  
↳ ETPS/2 Elantech Touchpad     id=13   [slave pointer (2)]  
↳ Logitech USB Optical Mouse   id=10   [slave pointer (2)]  
Virtual core keyboard         id=3    [master keyboard (2)]  
↳ Virtual core XTEST keyboard id=5    [slave keyboard (3)]  
↳ Power Button                 id=6    [slave keyboard (3)]  
↳ Video Bus                    id=7    [slave keyboard (3)]  
↳ Video Bus                    id=8    [slave keyboard (3)]  
↳ Power Button                 id=9    [slave keyboard (3)]  
↳ HP Wide Vision HD Camera: HP Wi id=11   [slave keyboard (3)]  
↳ AT Translated Set 2 keyboard id=12   [slave keyboard (3)]  
↳ HP WMI hotkeys               id=14   [slave keyboard (3)]  
↳ HP Wireless hotkeys         id=15   [slave keyboard (3)]  
Pointer2 pointer              id=16   [master pointer (17)]  
↳ Pointer2 XTEST pointer      id=18   [slave pointer (16)]  
Pointer2 keyboard             id=17   [master keyboard (16)]  
↳ Pointer2 XTEST keyboard     id=19   [slave keyboard (17)]  
hp@hp-HP-Pavilion-Laptop-15-cc1xx:~$
```

Pointer2 is created and has id=16.

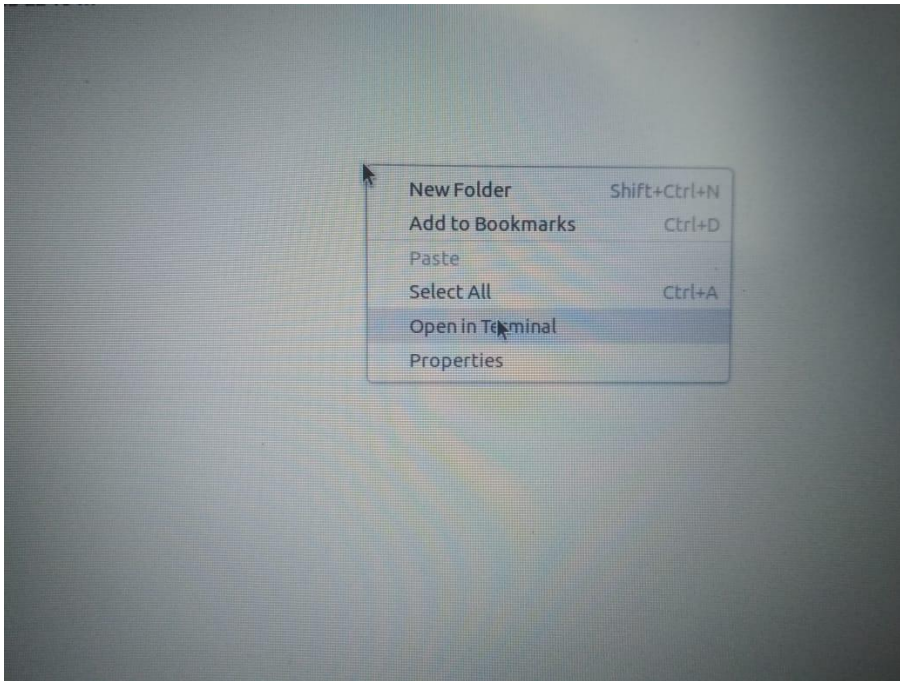
3. Reattach the control of pointer2 to usb optical mouse.

```
hp@hp-HP-Pavilion-Laptop-15-cc1xx: ~  
hp@hp-HP-Pavilion-Laptop-15-cc1xx:~$ xinput reattach 10 16  
hp@hp-HP-Pavilion-Laptop-15-cc1xx:~$ xinput  
Virtual core pointer          id=2    [master pointer (3)]  
↳ Virtual core XTEST pointer  id=4    [slave pointer (2)]  
↳ ETPS/2 Elantech Touchpad     id=13   [slave pointer (2)]  
Virtual core keyboard         id=3    [master keyboard (2)]  
↳ Virtual core XTEST keyboard  id=5    [slave keyboard (3)]  
↳ Power Button                 id=6    [slave keyboard (3)]  
↳ Video Bus                     id=7    [slave keyboard (3)]  
↳ Video Bus                     id=8    [slave keyboard (3)]  
↳ Power Button                 id=9    [slave keyboard (3)]  
↳ HP Wide Vision HD Camera: HP Wi id=11   [slave keyboard (3)]  
↳ AT Translated Set 2 keyboard id=12   [slave keyboard (3)]  
↳ HP WMI hotkeys               id=14   [slave keyboard (3)]  
↳ HP Wireless hotkeys          id=15   [slave keyboard (3)]  
Pointer2 pointer              id=16   [master pointer (17)]  
↳ Logitech USB Optical Mouse    id=10   [slave pointer (16)]  
↳ Pointer2 XTEST pointer        id=18   [slave pointer (16)]  
Pointer2 keyboard             id=17   [master keyboard (16)]  
↳ Pointer2 XTEST keyboard       id=19   [slave keyboard (17)]
```

4. Two mouse pointers are created, one accessed by external mouse and another using the touchpad.



Two mouse pointers image :



5. Remove the Pointer2 using the command 'xinput remove-master 16' where 16 is the id of the Pointer2.

```
hp@hp-HP-Pavilion-Laptop-15-cc1xx:~$ xinput remove-master 16
hp@hp-HP-Pavilion-Laptop-15-cc1xx:~$ xinput
Virtual core pointer                               id=2    [master pointer (3)]
↳ Virtual core XTEST pointer                       id=4    [slave pointer (2)]
↳ ETPS/2 Elantech Touchpad                         id=13   [slave pointer (2)]
Virtual core keyboard                             id=3    [master keyboard (2)]
↳ Virtual core XTEST keyboard                     id=5    [slave keyboard (3)]
↳ Power Button                                    id=6    [slave keyboard (3)]
↳ Video Bus                                        id=7    [slave keyboard (3)]
↳ Video Bus                                        id=8    [slave keyboard (3)]
↳ Power Button                                    id=9    [slave keyboard (3)]
↳ HP Wide Vision HD Camera: HP Wi                  id=11   [slave keyboard (3)]
↳ AT Translated Set 2 keyboard                     id=12   [slave keyboard (3)]
↳ HP WMI hotkeys                                  id=14   [slave keyboard (3)]
↳ HP Wireless hotkeys                             id=15   [slave keyboard (3)]
~ Logitech USB Optical Mouse                       id=10   [floating slave]
```