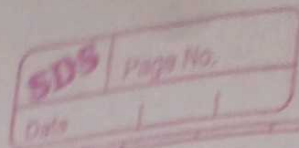


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## Practical 1



Aim: Setup Direct X11, Window framework and initialize 3D device

Description -  $\rightarrow$  This process includes creating the object, setting the presentation parameters, and finally creating the Direct 3D device

- 2) The preceding code sample relies upon a Present Parameters object that is used to set the windows display characteristics
- 3) For example, by setting the ~~is~~ Windowed property to true, the size of the window displayed is less than full screen. This default small-window format has no menu or child windows, but it includes minimize, maximize, and close buttons common to windowed applications. In the case, the ability to quickly swap buffers memory into system memory is disabled with the SwapEffect - Discard flag
- 4) If the windowed property is instead false, then the created window is placed above all non-topmost windows and should stay above them, even when the window is deactivated
- 5) The final setup step is in the initialization procedure is to create Direct 3D device. In this example the flag input to the device (Int 32, DeviceType, control, CreateFlags, Present Parameters) specify that a hardware device is preferred and that vertex processing is to be done in software
- 6) Note that if we tell the system to use hardware vertex processing by specifying create flag



Hardware Vertex Processing, we will see a significant performance gain on video cards that support hardware vertex processing.

- 1) First the viewport (the open window) is set to be a uniform blue color with the Device Clear method

