**Assignment4**

1. **How to automatically set the height of div to take the height of parent ?**

Ans: set the height of the div and positioned to relative.

1. **What is the difference in using px, em, pt, vh, vw ? Which is the best measuring unit to use ? Explain.**

Ans:px=pixels, pt-point these two are absolute unit. They do not change according to screen size. Em-font size of the element, relative to its parent. For example if font size is 3em, means 3 times the normal font size. Vw-viewport width, vh-viewport height . Viewport units are relative in their nature as well, though they are different from Relative Units.

1. **How to draw geometrical shapes using CSS and SVG ?**

Ans: In CSS

For square {width:100px;height:100px; }

For rectangle{width:200px; height:100px;}

For circle{ width:200px; height:100px; border-radius:50%}

For oval{ width:200px; height:100px; border-radius:100px/50px}

For triangle{ width:0; height:0; border-left:50px; border-rght:50px;border-bottom:100px}

In SVG

For rectangle <rect x=”0” y=”0” height=”100%” width=”100%”/>

For circle <circle cx=”50% “ cy=”50%”/>