

## Tutorial 4:

In this tutorial we will be looking in depth of how to create animated complex shapes, along with the styles that can be added to such complex shapes and finally this will be exploring the possible applications that can be made with these svg features.

```
1 <html>
2 <body>
3 <!--Here we are displaying the various simple shapes that can be created along with their styles-->
4
5 <h1>Tutorial 4 animating complex shapes </h1>
6
7 <svg height="100" width="100">
8   <polyline points="0,40 20,0 40,40 20,80"/>
9   <animate attributeName="opacity" from="1" to="0" dur="5s" repeatCount="indefinite" />
10 </svg>
11 <svg height="100" width="100">
12   <polyline points="0,40 20,0 40,40 20,80"/>
13   <animateTransform attributeName="transform" type="translate" from="0" to="50" dur="5s" repeatCount="indefinite"/>
14
15 </svg>
16 </body>
17 </html>
```

The following code uses the code for the diamond shape created in tutorial 2. We are now adding the attribute for the first diamond animate which will transform the opacity of the complex shape to be completely transparent.

The second complex shape gets translated and moves to the horizontal. This shape uses the animateTransform element with the attributeName transform which moves the complex shape.