Tutorial 3:

In this tutorial we will be looking in depth of how to create animated simple 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
4     <h1>Tutorial 3 animating simple shapes</h1>
5
6   <svg width="100" height="100">
7     <circle cx="50" cy="50" r="40"/>
8       <animate attributeName="opacity" from="1" to="0" dur="5s" repeatCount="indefinite" />
9   </svg>
10
```

Figure 1:Code for creating the animated opacity of a circle

The following code takes the code from Tutorial 1.In this case we are using the code of the circle from tutorial 1 and now adding a new element to it called animate.This element allows us to use the attributeName property which then allows us to change the opacity of the shape from 1 to 0.

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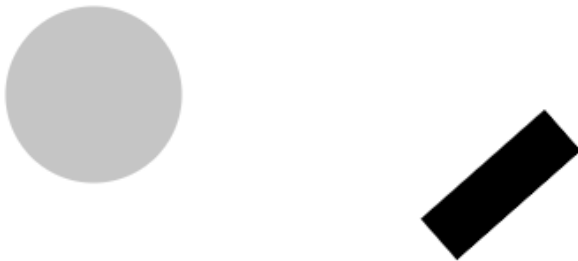Figure 2:The process of the circle becoming completely transparent.

```
<svg width="100" height="100">
  <rect width="75" height="25" />
    <animateTransform  attributeName="transform" type="rotate" from="0 0 0"to="360 50 50" dur="10s" repeatCount="indefinite"/>
</svg>

</body>
</html>
```

Figure 3:Code for creating the animated rotation of the rectangle

The following code takes the code from Tutorial 1.In this case we are using the code of the rectangle from tutorial 2 and now adding a new element to it called animateTransform.This

element allows us to use the attributeName property transform which then allows us to rotate the shape as much as we want.
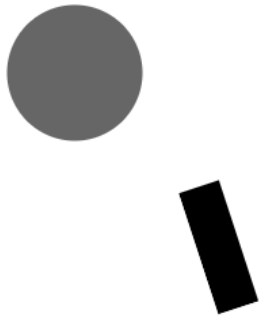
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Figure 4:The process of the rectangle rotating