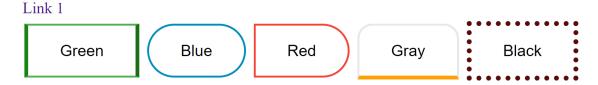## Code Challenge 1

Write proper code to generate the below-given output :

1. Create a link, which gets underlined only when mouse is hovered, and changes background-color when it is active, otherwise normally it should not have any decoration.
2. Create the below-given buttons by giving them appropriate decoration and the background color and font color of the buttons should change on mouse hover.

Link 1

| Green | Blue | Red | Gray | Black |

Solution to Code Challenge 1: -

```
<!DOCTYPE html>
<html>
<head>
<style>

    a{
        text-decoration: none;
    }
    a:hover {
  text-decoration: underline;
}
a:active{
    background-color: #36d8f4;
}
.button {
  background-color: #4CAF50; /* Green */
  border: none;
  color: white;
  padding: 16px 32px;
  text-align: center;
  text-decoration: none;
  display: inline-block;
  font-size: 16px;
```

```css
    margin: 4px 2px;
}

.button1 {
  background-color: white;
  color: black;
  border: 2px solid #4CAF50;
  border-left: solid 4px #188313;
  border-right: solid 4px #1a6f15;
}

.button1:hover {
  background-color: #4CAF50;
  color: white;

}

.button2 {
  background-color: white;
  color: black;
  border: 2px solid #008CBA;
  border-radius: 100px;
}

.button2:hover {
  background-color: #008CBA;
  color: white;
}

.button3 {
  background-color: white;
  color: black;
  border: 2px solid #f44336;
  border-radius: 0 30px 30px 0;
}

.button3:hover {
  background-color: #f44336;
  color: white;
}

.button4 {
  background-color: white;
```

```css
  color: black;
  border: 2px solid #e7e7e7;
  border-bottom: solid 4px #FFA000;
  border-radius: 15px 15px 0 0;
}

.button4:hover {background-color: #e7e7e7;}

.button5 {
  background-color: white;
  color: black;
  border: 2px solid #555555;
  border: dotted 5px rgb(88, 11, 11);
}

.button5:hover {
  background-color: #555555;
  color: white;

}
</style>
</head>
<body>

<a href="https://www.google.com/"> Link 1 </a>
<br>

<button class="button button1">Green</button>
<button class="button button2">Blue</button>
<button class="button button3">Red</button>
<button class="button button4">Gray</button>
<button class="button button5">Black</button>

</body>
</html>
```