**HSL Values**: In HTML, Color can be specified by HSL value using formula `hsl(hue, saturation, lightness).

**Hue** – It is degree on the color wheel. It can have value from 0 to 360.  
- 0 for **red**  
- 120 for **green**  
- 240 for **blue**

**Saturation** – It defines the intensity of color. It can have percentage value.  
- 0% for completely gray  
- 50% for half gray  
- 100% for complete/full color

**Lightness** – It defines how much light you want to give the color. It can have percentage value.  
- 0% for no light (black)  
- 50% for neither light nor dark  
- 100% for full light (white)

HSL can have value from hsl(0,0%,0%) to hsl(360,100%,100%) like  
- hsl(0,100%,50%) for displaying **red**  
- hsl(120,100%,50%) for displaying **green**  
- hsl(240,100%,50%) for displaying **blue**  
- hsl(60,100%,50%) for displaying **yellow**  
- hsl(0,0%,0%) for displaying **black**  
- hsl(0,0%,100%) for displaying **white**

**Example1** `<body bgcolor=" hsl(60,100%,50%)" text=" hsl(0,100%,50%)">  
-- This will set the background as yellow color and text as red color of the web page.

**Example2** `<font color="hsl(51,100%,50%)">  
-- This will set the font color as gold color.

**RGBA Values**: It can be defined using formula `rgba(red,green,blue,alpha)`. It is extension of rgb() value with extra alpha parameter.

**HSLA Values**: It can be defined using formula `hlsa(hue,saturation,lightness,alpha)`. It is extension of hsl() with extra alpha parameter.

*The alpha parameter defines the opacity of color. It is a number between 0.0 (fully transparent) and 1.0 (not transparent at all).*
Exercises:

1. What are color codes for red, green, blue in rgb(), hsl() and hex model?
2. What do you mean by opacity of color? How it can be defined in HTML?