

Using the Binary Search Algorithm and trace table examples at the end of this document, complete the trace tables below for the Color Array. Upload this document to github and submit the link to your repository to the dropbox.

1st search: violet

First	Last	Middle	Comparison
0	10	5	violet > indigo
6	10	8	violet > red
9	10	9	violet = violet

2nd search: green

First	Last	Middle	Comparison
0	10	5	green < indigo
0	4	2	green > chartreuse
3	4	3	green > dark brown
4	4	4	green = green

3rd search: yellow

First	Last	Middle	Comparison
0	10	5	yellow > indigo
6	10	8	yellow > red
9	10	9	yellow > violet
10	10	10	yellow = yellow

**Color array:**

aqua	[0]
brown	[1]
chartreuse	[2]
dark brown	[3]
green	[4]
indigo	[5]
lavender	[6]
magenta	[7]
red	[8]
violet	[9]
yellow	[10]

Above: Binary Search Algorithm