P. 653: C-Style Enumerations

```c
enum Color {RED, ORANGE, YELLOW, GREEN, BLUE, INDIGO, VIOLET};
```

```
RED   ORANGE  YELLOW  GREEN  BLUE  INDIGO  VIOLET
  0      1       2       3       4       5       6
```

```c
double colorArray[NUMBER_OF_COLORS] = {0.0};
```

```
colorArray  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
[RED] [ORANGE] [YELLOW] [GREEN] [BLUE] [INDIGO] [VIOLET]
```

```c
vector<double> colorVector(NUMBER_OF_COLORS);
```

```
colorVector  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
[RED] [ORANGE] [YELLOW] [GREEN] [BLUE] [INDIGO] [VIOLET]
```