Quiz 10: Switch Control Using Color

1. Define an integer variable called color and store the initial value of 0 in it. Write the value of the light sensor to it in real time.

2. Define the following variables and store the appropriate thresholds in them:
   a. green_max
   b. green_min
   c. yellow_max
   d. yellow_min
   e. red_max
   f. red_min

3. Write a program that...
   a. Runs the motors based on the conditions below when the bump switch is held.
      i. Green Card = Full
      ii. Yellow Card = Half
      iii. Red Card = Idle (20)