**Summary:**

Given Arduino code takes a string as an input from the Serial Monitor. This string is the solution to the given scramble. The setup function specifies the location of all the output pins to the six motors. The loop function takes one move at a time and performs it on the cube. Here is how the code works:

1. The solution string is input to the scramble. Ex: RUruLLfU

Here, we us lowercase letters instead of prime symbols, i.e. r represents R’.

1. The code stores the sting in a variable using the Serial.readString() function.
2. The loop () function reads one character at a time and sends it to switch () function.

It also prints the specified move on the terminal.

1. The switch function tells the code which motors are to be moved and in what direction. For example “R” input will activate the motor connected to right face in the clockwise direction.
2. The actual motion happens through the rotate () function, which takes motor number, and direction as input and performs a 90 degree turn on the specified motor.
3. There is a delay of one second (which can be adjusted) before iterating the loop again.