```
1   /*********************************************************************************
2   *                               EXERCISE 1                                       *
3   *                               -----------                                      *
4   *                      IMAGE ACQUISITION AND DISPLAY                             *
5   *********************************************************************************/
6
7   #include <opencv2/opencv.hpp>
8   #include <iostream>
9   #include <string>
10  #include <stdlib.h>
11
12  #define LINES 'L'
13  #define RECTS 'R'
14
15  using namespace std;
16  using namespace cv;
17
18  void infoDisplay(IplImage* , char []);
19  void drawHistogram(char [] , IplImage * , char);
20  void drawHistChannels(IplImage * , char);
21  void drawHistChannelsAlt(IplImage * , char);
22  void func(uchar , int *);
```