PROGRAM CODE

```
#include <opencv2/opencv.hpp>
#include <highgui.h>
#include <iostream>

using namespace std;
using namespace cv;


int main( intargc, char** argv )
 {
VideoCapturecap(0); //capture the video from webcam

if ( !cap.isOpened() )  // if not success, exit program
    {
cout<< "Cannot open the web cam" <<endl;
return -1;
    }

namedWindow("Control", CV_WINDOW_AUTOSIZE); //create a window called
"Control"

intiLowH = 170;
intiHighH = 179;

intiLowS = 150;
intiHighS = 255;

intiLowV = 60;
intiHighV = 255;

  //Create trackbars in "Control" window
createTrackbar("LowH", "Control", &iLowH, 179); //Hue (0 - 179)
createTrackbar("HighH", "Control", &iHighH, 179);

createTrackbar("LowS", "Control", &iLowS, 255); //Saturation (0 - 255)
createTrackbar("HighS", "Control", &iHighS, 255);

createTrackbar("LowV", "Control", &iLowV, 255);//Value (0 - 255)
createTrackbar("HighV", "Control", &iHighV, 255);

intiLastX = -1;
intiLastY = -1;

 //Capture a temporary image from the camera
 Mat imgTmp;
cap.read(imgTmp);

 //Create a black image with the size as the camera output
 Mat imgLines = Mat::zeros(imgTmp.size(), CV_8UC3 );;
```