1 LINE FOLLOWER

1.1 Tasks:

1. Write the program to control the robot follow the line (actually above the edge between black and white area). Some programming hints you can find in prog. 1 :

Program 1: Line Follower.

```
1  #include "RobotMovingFunctions.h"
2  const int LIGHT_SENSOR_PIN = A0;
3  const int SURFACE_BRIGHTNESS_REFERENCE = 400;
4
5  void setup()
6  {
7    setIOpins();
8    pinMode(LIGHT_SENSOR_PIN , INPUT);
9  }
10
       newpageasdlfkjčalksdjf
11 void loop()
12 {
13   int light_sensor_value = analogRead(LIGHT_SENSOR_PIN );
14   if ( light_sensor_value < treshold_value )
15   {
16     // do this if robot is over the black line
17
18   }
19   else
20   {
21     // do this if robot is over white area
22
23   }
24 }
```

1.2 Questions:

1. What is the program function to get the `light_sensor_value`?
2. Determine the movements of the robot if the robot is over the black area and if the robot is over the white area.

1.3 Summary:

1.3.1 <++>

<++>

1.4 Issues:

1.4.1 <++>

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