MINI PROJECT

AIM: CREATE A ROBOT WHICH WILL MOVE ONLY ON YELLOW PATH IN GIVEN IMAGE.

CODE:

```
import ch.aplu.robotsim.*;

public class Miniproject1 {

        public Miniproject1() {
                LegoRobot robot = new LegoRobot();
                Gear g = new Gear();
                LightSensor ls = new LightSensor(SensorPort.S3);

                robot.addPart(g);
                robot.addPart(ls);

                g.setSpeed(50);
                g.forward();

                while(true) {
                        int value = ls.getValue();
                        if(value >= 1000)
                                g.forward();
                        if(value < 1000)
```

```java
                g.left();
            if(value < 100)
                g.stop();
        }
    }


    static {
        RobotContext.setStartPosition(430, 230);
        RobotContext.useBackground("sprites/yellowpath.gif");
    }


    public static void main(String[] args) {


        Miniproject1 robo = new Miniproject1();


    }


}
```