**Initialization**

-assign a variable for the red led: **redled=12;** – right mirror of car

-assign a variable for the green led: **greenled=11;** left Mirror of a car

-assign a variable for a sound (beeping noise): **int noise=2**

-assign a variable for a laser(light sensor): **photocellpin=1;**

-assign a variable for motion sensor= **pirpin=11;**

-assign a variable for light sensors= **int photocellvalue=0;**

**RED LED**: If you want to switch lanes to RIGHT SIDE and there is a car or any object in the way then the RED LED WILL BLINK and there will be a beep noise which indicates that you should NOT switch lanes, but if the RED LED DOES NOT BLINK and it does not make a beep noise, that means it is SAFE to change lanes.

**Green Led**: If you want to switch lanes to LEFT SIDE and there is a car or any object in the way then the GREEN LED WILL BLINK and there will be a beep noise which indicates that you should NOT switch lanes, but if the GREEN LED DOES NOT BLINK and it does not make a beep noise, that means it is SAFE to change lanes.