Karman and Amar

Main Loop Code

\*Blind spot detector will only work when blinker is on

If Laser detects car on right mirror then it is not safe to switch lanes

**Outcome**: Flash LED on right mirror and BEEP sound

If laser detects car on left mirror then it is not safe to switch lanes

**Outcome**: Flash on left mirror and beep sound

If laser does not detect car on right mirror then it is safe to switch lanes

**Outcome**: No light and No sound

If laser does not detect car on left mirror then is safe to switch lanes

**Outcome**: No beep and No sound

If laser detects motor/cyclist/human on right side of the mirror then it is not safe to switch lanes

**Outcome**: Flash on right mirror and BEEP sound

If laser detects motor/ cyclist/Human on left mirror then it is not safe to switch lanes

**Outcome**: Flash on the left mirror and Beep sound

If laser does not detect motor/cycle/human then it is safe to switch lanes for right mirror.

**Outcome**: No Beep and No Sound

If laser does not detect motor/cycle/human then it is safe to switch lanes for left mirrors.

**Outcome**: No Beep and No Sound

If laser detects and long vehicle( Truck with trailer) or detects a vehicle for a number amount of times on right mirror then it is not safe to switch lanes

**Outcome**: Flash light on the right mirror and a Beep sound until vehicle is out of the lasers way

If laser detects and long vehicle( Truck with trailer) or detects a vehicle for a number amount of times on left mirror then it is not safe to switch lanes

**Outcome**: Flash light on the left mirror and a Beep sound until vehicle is out of the lasers way

\*The light will keep flashing and the sound will keep coming until the vehicle is out of the lasers way.