Program no\_\_\_\_9\_\_\_

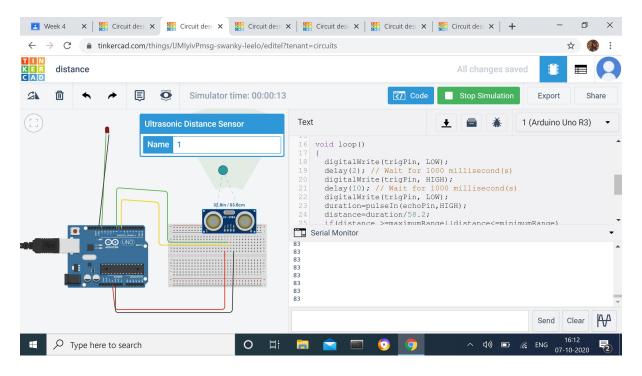
Program Title\_\_\_\_\_Distance detector\_\_\_\_\_

**Aim :** The light Fades as the sunlight increases

## **Hardware Required**

 Arduino Board Ultrasonic distance sensor

## **Circuit Diagram**



## Code:

Name	: Avashya·K·
	18N17C3034
Exper	inent 10 -> Distance Sensor
int	echopin = 7;
int.	trigfin = 8;
int	LEPPIN =13;
int	maximum Pange = 200;
int	unninunkange = 0;
long	duration, distance;
void	Setup ()
2	Exercise the second surprise of the second
Seri	al-begin (9600);
pin	Mode (triglin, DUTPUT);
	Mode Cecholin , INPUT).
9	Model LEPPin, OUTPUT);
void	loop ()
	Social princips ( Senson Making)
0	ligital Write Ctrig Pin, LOW);
	lay (2);
	tal Write (trigkin, 141GH);
	ay (10); 12 mag 131 with my
	italWrite (trig Pin, Low);
	sation - PalseIn(Rcholin, HIGH);
dis	dance = duration 158.2;
/	(distance)=maximumRange // distance
	2 - mininumkauge)
2	and a single sin
	Serial printly ("-1");
	digitalWrite (LEPPin, HIGH);
3	

Serial println (distance); digital Write (LEPPin, LOW);	
digital Write (LEDPM, 10W):	
3	
delay(50);	
3	a

## **Observation / Output:**

It will tell the distance in inches and centimetre.