DELIVERY OF SPRINT-1

TEAM ID: PNT2022TMID33842

PROGRAM:

int t=2;

```
int e=3;
void setup()
 pinMode(t,OUTPUT);
 pinMode(e,INPUT);
 pinMode(12,OUTPUT);
 pinMode(11,OUTPUT);
 pinMode(4,INPUT);
Serial.begin(9600);
void loop()
/* The Ultrasonic sensors can be used
 by parents to detect if the child is within a given coverage
 area and gives an alarm when the child goes away from them*/
```

```
digitalWrite(t,9);
digitalWrite(t,1);
delayMicroseconds(10);
digitalWrite(t,0);
float dur = pulseIn(e,HIGH);
float dis = (dur*0.0343)/2;
Serial.print("Distance in cm is: ");
Serial.println(dis);
if(dis<15)
tone(12,30);
delay(1000);
else
  noTone(12);
  delay(1000);
/*The PIR sensors are used to detect the presence of humans
or any other animals which are very close to the child*/
digitalWrite(11,LOW);
int a = digitalRead(4);
```

```
if(a==1)
  Serial.println("Motion Detected");
  digitalWrite(11,HIGH);
Circuit design Brave Snicket | Tin | X Circuit design IBM Assignment | 1 X
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