



Assignment 1 – code :

```
# IBM-Project-14646-1659588148
Smart Solutions For Railways
int pinSensor =2;
int pinLed =12;
int pinBuzzer =13;
int pirSensor =0;

void setup()
{
  pinMode(pinSensor, INPUT);
  pinMode(pinLed, OUTPUT);
  pinMode(pinBuzzer, OUTPUT);

}

void loop()
{

  pirSensor = digitalRead(pinSensor);
  if (pirSensor == HIGH)
  {

    digitalWrite(pinLed, HIGH);
    tone(pinBuzzer, 1000, 500);

  }

  else {

    digitalWrite(pinLed, LOW);
  }
}
```

```
delay(10);  
}
```