



CODE:

```
int pirsensor =5;
```

```
int buzzer =13;  
int pirvalue =0;  
float temperature=A1;  
float analog;  
float voltage;  
float celcius;
```

```
void setup()  
{  
  pinMode(pirsensor, INPUT);  
  pinMode(temperature, INPUT);  
  pinMode(buzzer, OUTPUT);  
  Serial.begin(9600);  
}
```

```
void loop()  
{  
  
  analog=analogRead(temperature);  
  
  voltage=analog*5.0/1023;  
  celcius=(voltage-0.5)*100.0;
```

```
  Serial.print("temperature:");  
  Serial.println(celcius);  
  if (celcius >=60)
```

```
{  
  
    tone(buzzer, 200, 100);  
  
}  
delay(100);  
  
pirvalue = digitalRead(pirsensor);  
  
if (pirvalue == HIGH)  
{  
  
    tone(buzzer, 1000, 500);  
  
}  
  
delay(100);  
}
```