

IBM ASSIGNMENT – 2

IBM-EPBL/IBM-Project-31329-1660199126

PROJECT TITLE : IOT based safety gadget for child safety monitoring and notification

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PYTHON CODE :

```
from machine import Pin
from time import sleep
import dht

sensor = dht.DHT22(Pin(14))
#sensor = dht.DHT11(Pin(14))

while True:
    try:
        sleep(2)
        sensor.measure()
        temp = sensor.temperature()
        hum = sensor.humidity()
        temp_f = temp * (9/5) + 32.0
        print('Temperature: %3.1f C' %temp)
        print('Temperature: %3.1f F' %temp_f)
        print('Humidity: %3.1f %%' %hum)
    except OSError as e:
        print('Failed to read sensor.')
```

```
import win32api
```

```
import random
```

```
for i in range(5):
```

```
    win32api.Beep(random.randint(37,10000), random.randint(750,3000))
```