

## Assignment -2

### Python Programming

Assignment Date	26 September 2022
Student Name	MINUTHAA . S
Student Roll Number	510119106008
Maximum Marks	2 Marks

#### **Question-1:**

Build a python code, Assume u get temperature and humidity values (generated with random function to a variable) and write a condition to continuously detect alarm in case of high temperature.

#### **Solution:**

##### **CODE:**

```
a = int (input(" enter temperature = "))
```

```
if a>75 :
```

```
    print(" ALARM DETECTED ")
```

```
else:
```

```
    print(" ALARM NOT DETECTED ")
```

```
b = int (input(" enter humidity = "))
```

```
if b>70:
```

```
    print(" ALARM DETECTED ")
```

```
else:
```

```
    print(" ALARM NOT DETECTED ")
```

## OUTPUT:



IDLE Shell 3.10.7

```
File Edit Shell Debug Options Window Help
Python 3.10.7 (tags/v3.10.7:6cc6b13, Sep  5 2022, 14:08:36) [MSC v.1933 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.

>>> ===== RESTART: D:/python/TEMPERATURE HUMIDITY ASSIGNMENT =====
enter temperature = 82
ALARM DETECTED
enter humidity = 75
ALARM DETECTED

>>> ===== RESTART: D:/python/TEMPERATURE HUMIDITY ASSIGNMENT =====
enter temperature = 64
ALARM NOT DETECTED
enter humidity = 50
ALARM NOT DETECTED

>>> ===== RESTART: D:/python/TEMPERATURE HUMIDITY ASSIGNMENT =====
enter temperature = 90
ALARM DETECTED
enter humidity = 68
ALARM NOT DETECTED

>>> ===== RESTART: D:/python/TEMPERATURE HUMIDITY ASSIGNMENT =====
enter temperature = 45
ALARM NOT DETECTED
enter humidity = 81
ALARM DETECTED

>>>
```

