

ASSIGNMENT - 2

PYTHON PROGRAMMING

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| ASSIGNMENT DATE | 21 SEPTEMBER 2022 |
| STUDENT NAME | MS. SANDHIYA.E |
| STUDENT ROLL NUMBER | 513419106030 |
| MAXIMUM MARKS | |

Question-1:

Build a python code, Assume you 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:

```
#TEMPERATURE AND HUMIDITY VALUES- SANDHIYA.E
```

```
#T-TEMPERATURE,H-HUMIDITY
```

```
import random
```

```
while True:
```

```
    T = random.randint(20, 50)
```

```
    H = random.randint(2,100)
```

```
    print(T,'°C')
```

```
    if T>=35:#We take below 35 normal temperature
```

```
        print("HIGH TEMPERATURE,WARNING")
```

```
    else:
```

```
        print("NORMAL")
```

```
    print("HUMIDITY: ",H,'%')
```

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Result Size: 602 x 446

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```
#TEMPERATURE AND HUMIDITY VALUES- SANDHIYA.E
#T-TEMPERATURE,H-HUMIDITY
import random
while True:
    T = random.randint(20, 50)
    H = random.randint(2,100)
    print(T,'*C')
    if T>=35:#We take below 35 normal temperature
        print("HIGH TEMPERATURE,WARNING")
    else:
        print("NORMAL")
    print("HUMIDITY:",H,'%')
```

```
45 *C
HIGH TEMPERATURE,WARNING
HUMIDITY: 21 %
22 *C
NORMAL
HUMIDITY: 95 %
49 *C
HIGH TEMPERATURE,WARNING
HUMIDITY: 54 %
41 *C
HIGH TEMPERATURE,WARNING
HUMIDITY: 75 %
28 *C
NORMAL
HUMIDITY: 25 %
31 *C
NORMAL
HUMIDITY: 75 %
36 *C
HIGH TEMPERATURE,WARNING
HUMIDITY: 54 %
26 *C
NORMAL
```