

ASSIGNMENT - 2

PYTHON PROGRAMMING

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| ASSIGNMENT DATE | 21 SEPTEMBER 2022 |
| STUDENT NAME | MR. ARUN.A |
| STUDENT ROLL NUMBER | 513419106005 |
| 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- ARUN.A
```

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

```
import random
```

```
while True:
```

```
    T = random.randint(25, 50)
```

```
    H = random.randint(1,100)
```

```
    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- ARUN.A
#T-TEMPERATURE,H-HUMIDITY
import random
while True:
    T = random.randint(25, 50)
    H = random.randint(1,100)
    print(T,'*C')
    if T>=35:#We take below 35 normal temperature
        print("HIGH TEMPERATURE,WARNING")
    else:
        print("NORMAL")
    print("HUMIDITY:",H,'%')
```

```
29 *C
NORMAL
HUMIDITY: 19 %
37 *C
HIGH TEMPERATURE,WARNING
HUMIDITY: 6 %
47 *C
HIGH TEMPERATURE,WARNING
HUMIDITY: 35 %
35 *C
HIGH TEMPERATURE,WARNING
HUMIDITY: 65 %
50 *C
HIGH TEMPERATURE,WARNING
HUMIDITY: 52 %
41 *C
HIGH TEMPERATURE,WARNING
HUMIDITY: 53 %
34 *C
NORMAL
HUMIDITY: 48 %
42 *C
HIGH TEMPERATURE WARNING
```