ASSINGNMENT 2

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:

```python
print("Welcome To The Body Temparature Monitoring System")

print()

first_name = input('Enter the First Name : ')

last_name = input('Enter the Last Name : ')

dob = input('Enter the DOB : ')

mobile = int(input('Enter the Mobile Number : '))

blood = input('Enter the Blood Group : ')

address = input('Enter the Address: ')

pincode = int(input('Enter the Pincode : '))


temp = int(input('Enter the temperature : '))

print('Enter in which you want to convert ?')

user = int(input("1. Celsious\n2. Fahrenheit\n"))


if user == 1:

    # calculate  celsius
```

```python
        result = (temp - 32) / 1.8

        convention = "Celsius"

elif user == 2:

    # calculate fahrenheit

    result = (temp * 1.8) + 32

    convention = "Fahrenheit"

else:

    # irrelavent data

    print("Input proper convention.")

    quit()


print("The temperature in", convention, "is", result, "degrees.")

print()

if result > 98.6 and convention == "Fahrenheit":

    print("Hi", first_name, "your Temparature is raised in above 98.6 degrees",

        convention, "so,")

    print("Dr", first_name, "Please check your body temparature.")

    print()

elif result > 37 and convention == "Celsius":

    print("Hi", first_name, "your Temparature is raised in above 37 degrees",
```
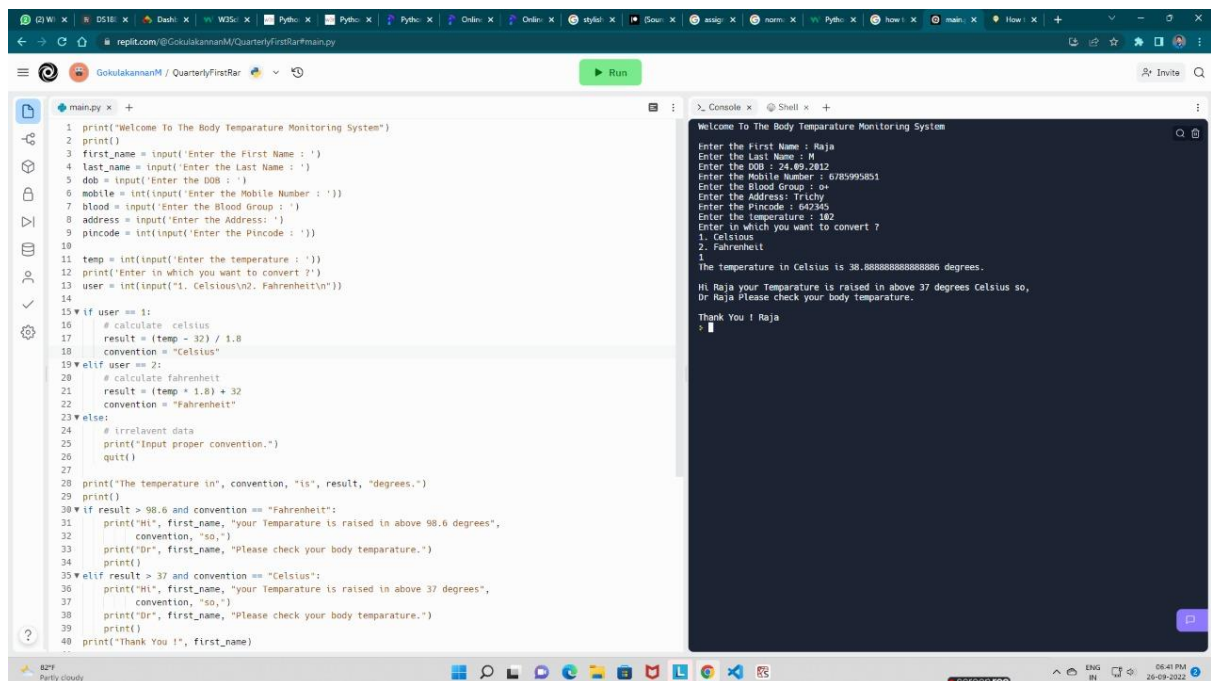
convention, "so,")

    print("Dr", first_name, "Please check your body temparature.")

    print()

print("Thank You !", first_name)

```python
1  print("Welcome To The Body Temparature Monitoring System")
2  print()
3  first_name = input('Enter the First Name : ')
4  last_name = input('Enter the Last Name : ')
5  dob = input('Enter the DOB : ')
6  mobile = int(input('Enter the Mobile Number : '))
7  blood = input('Enter the Blood Group : ')
8  address = input('Enter the Address: ')
9  pincode = int(input('Enter the Pincode : '))
10
11 temp = int(input('Enter the temperature : '))
12 print('Enter in which you want to convert ?')
13 user = int(input("1. Celsious\n2. Fahrenheit\n"))
14
15 if user == 1:
16     # calculate  celsius
17     result = (temp - 32) / 1.8
18     convention = "Celsius"
19 elif user == 2:
20     # calculate fahrenheit
21     result = (temp * 1.8) + 32
22     convention = "Fahrenheit"
23 else:
24     # irrelavent data
25     print("Input proper convention.")
26     quit()
27
28 print("The temperature in", convention, "is", result, "degrees.")
29 print()
30 if result > 98.6 and convention == "Fahrenheit":
31     print("Hi", first_name, "your Temperature is raised in above 98.6 degrees",
32         convention, "so,")
33     print("Dr", first_name, "Please check your body temparature.")
34     print()
35 elif result > 37 and convention == "Celsius":
36     print("Hi", first_name, "your Temperature is raised in above 37 degrees",
37         convention, "so,")
38     print("Dr", first_name, "Please check your body temparature.")
39     print()
40 print("Thank You !", first_name)
```

```
Welcome To The Body Temparature Monitoring System

Enter the First Name : siva
Enter the Last Name : G
Enter the DOB : 06.05.2022
Enter the Mobile Number : 9957485451
Enter the Blood Group : A-
Enter the Address: Dindigul
Enter the Pincode : 674542
Enter the temperature : 59
Enter in which you want to convert ?
1. Celsious
2. Fahrenheit
3
Input proper convention.
real process died unexpectedly:
>
```