

Assignment -2

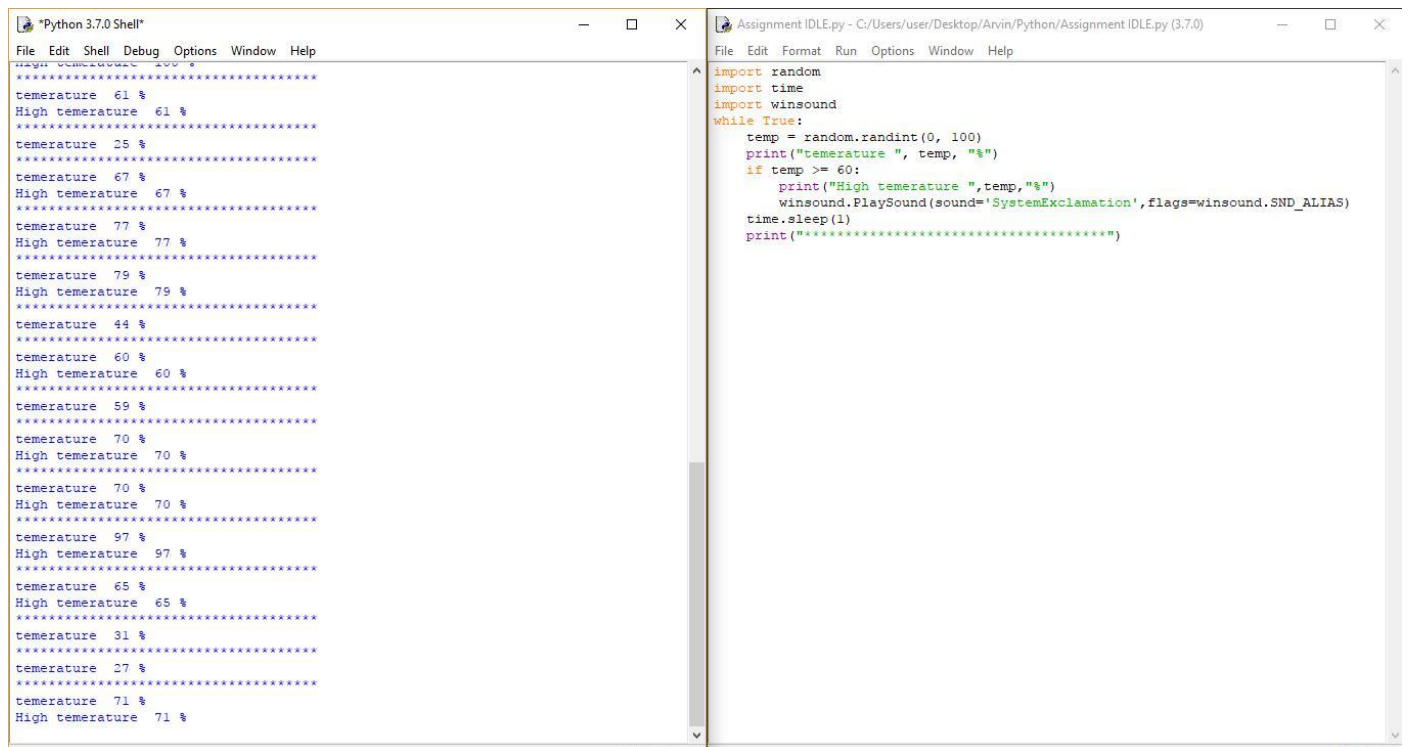
Assignment Date	21 September 2022
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Student Roll Number	611219106080
Maximum Marks	2 Marks

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:

```
import random
import time
import winsound
while True:
    temp = random.randint(0, 100)
    print("temerature ", temp, "%")
    if temp >= 60:
        print("High temerature ", temp, "%")
        winsound.PlaySound(sound='SystemExclamation', flags=winsound.SN
D_ALIAS)
        time.sleep(1)
    print("*****")
```

Circuit :



The screenshot displays two windows from a Python 3.7.0 IDE. The left window, titled "Python 3.7.0 Shell", shows the output of the code, which consists of a series of lines: "temerature 61 %", "High temerature 61 %", followed by several lines of "temerature 25 %", "temerature 67 %", "High temerature 67 %", "temerature 77 %", "High temerature 77 %", "temerature 79 %", "High temerature 79 %", "temerature 44 %", "temerature 60 %", "High temerature 60 %", "temerature 59 %", "temerature 70 %", "High temerature 70 %", "temerature 70 %", "High temerature 70 %", "temerature 97 %", "High temerature 97 %", "temerature 65 %", "High temerature 65 %", "temerature 31 %", "temerature 27 %", "temerature 71 %", and "High temerature 71 %". The right window, titled "Assignment IDLE.py - C:/Users/user/Desktop/Arvin/Python/Assignment IDLE.py (3.7.0)", shows the source code of the program, which is the same code as provided in the solution block.