# Assignment -2
# Python Programming

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| **Project Name** | GAS LEAKAGE MONITORING AND ALERTING SYSTEM |
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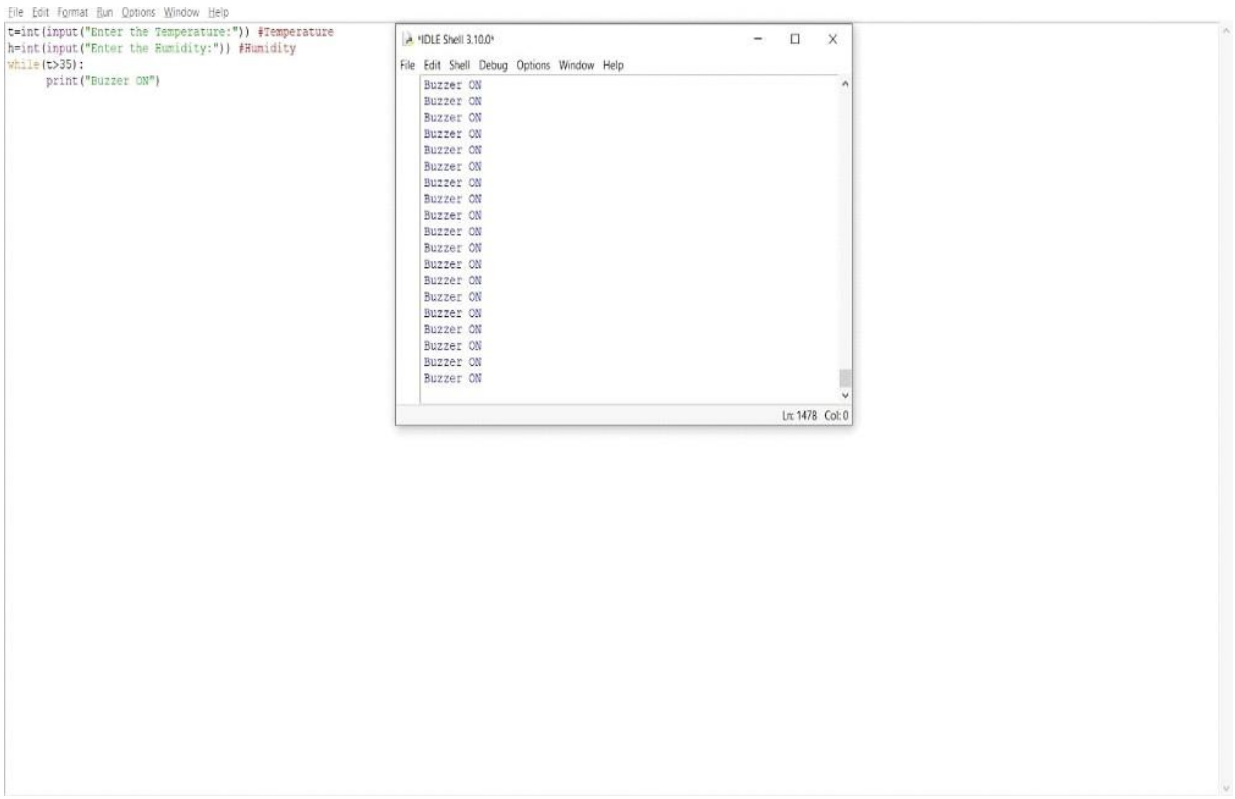
**Question-1:**




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.

**Program:**

```
t=int(input("Enter the Temperature:")) #Temperature
 h=int(input("Enter the Humidity:")) #Humidity
```

while(t>35):
print("Buzzer ON")

**Program:**

```
import time from random import randint
 file=open("data.txt","a")
 n=5 for i in range(n):
humidity=randint(0,100)+1 temperature=randint(-100,100)
+1 if humidity>45: print("\n \n
 Humidity High") print(humidity)

file.write("\nHumidity")
file.write(str(humidity))

if temperature>30:
print("Temperature High")
print( temperature)

file.write("\nTemperature")
file.write(str(temperature))
time.sleep(1)
 file.close()
```