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| **NAME** | **PRASANTHKUMAR G** |
| **REG NO** | **611819106036** |
| **TOPIC** | ***TEMPERATURE AND HUMIDITY SENSOR AND ALARM AUTOMATION USING PYTHON*** |
| **PROJECT TITLE** | **REAL TIME RIVER WATER QUALITY MONITORING AND CONTROL SYSTEM** |
| **ASSIGNMENT** | **02** |
| **MENTOR** | **PRAKASAM L**  **ASP/ECE** |
| **COLLEGE NAME** | **P.S.V. COLLEGE OF ENGINEERING AND TECHNOLOGY** |

**PYTHON CODE:**

import random,time

print(" \n\t Alarm System !\n")

while True:

a = random.randint(1,80)

b = random.randint(1,70)

if a>=40 :

if b >= 35:

for i in range(1):

time.sleep(1)

print(f"\n\tHigh Temp {a} ! & Humidity val also High {b} ! \n")

time.sleep(1)

continue

time.sleep(2)

else :

print(f"Low Temp {a} ")

**OUTPUT:**

