REAL TIME RIVER WATER QUALITY MONITORING AND CONTROL SYSTEM

TEAM ID : PNT2022TMID06145

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TEAM MEMBERS : Saran R

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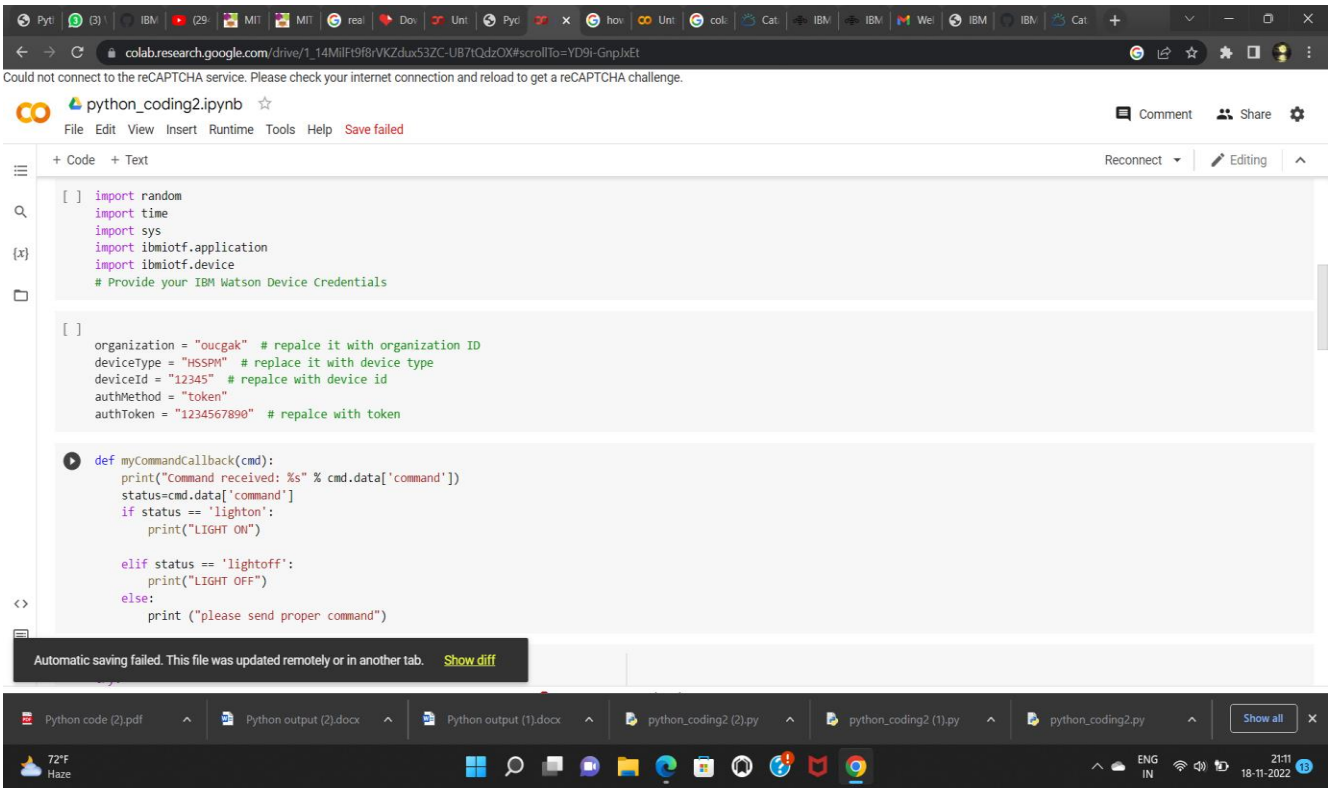
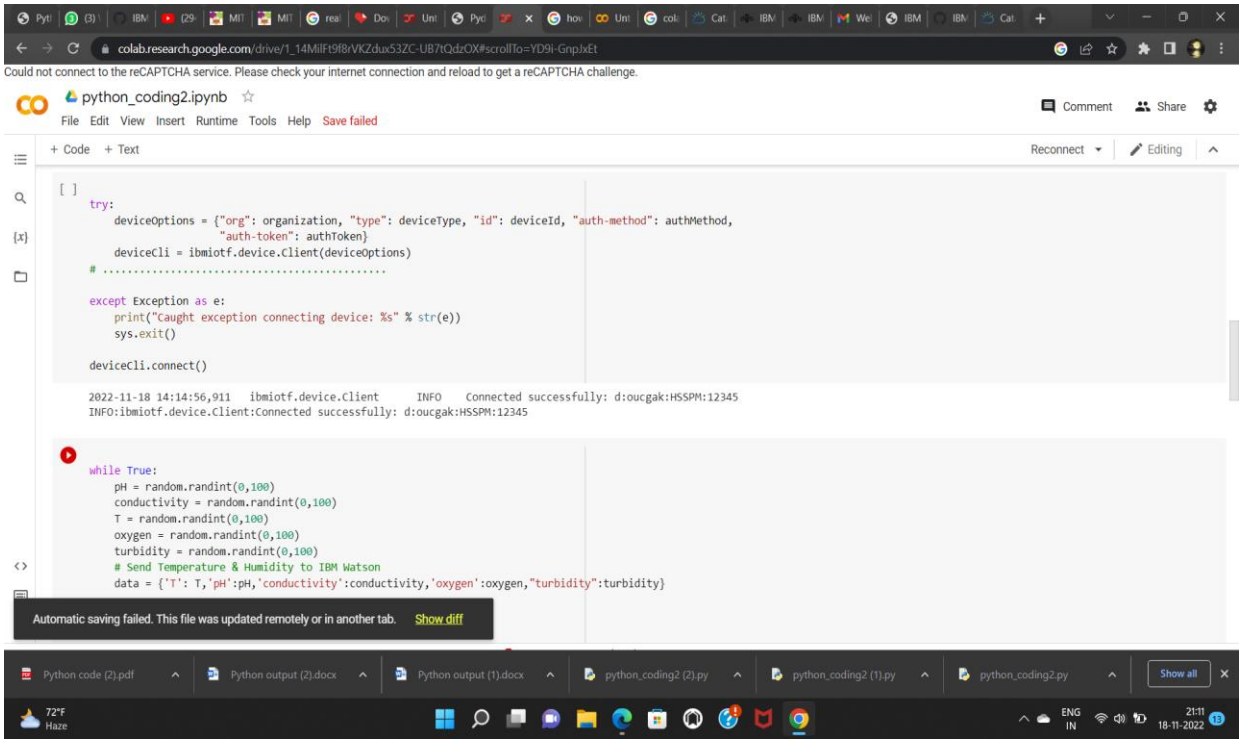
Parthasarathi S

Mohammed Alla Pitchai M

PYTHON CODE




colab.research.google.com/drive/1_14MilFt9f8rVKZdux53ZC-UB7tQdzOX#scrollTo=YD9i-GnpJxEt
Could not connect to the reCAPTCHA service. Please check your internet connection and reload to get a reCAPTCHA challenge.
python_coding2.ipynb
File Edit View Insert Runtime Tools Help Save failed
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try:
deviceOptions = {"org": organization, "type": deviceType, "id": deviceId, "auth-method": authMethod,
"auth-token": authToken}
deviceCli = ibmiotf.device.Client(deviceOptions)
# .....
except Exception as e:
print("Caught exception connecting device: %s" % str(e))
sys.exit()
deviceCli.connect()
2022-11-18 14:14:56,911 ibmiotf.device.Client INFO Connected successfully: d:oucgak:HSSPM:12345
INFO:ibmiotf.device.Client:Connected successfully: d:oucgak:HSSPM:12345
while True:
pH = random.randint(0,100)
conductivity = random.randint(0,100)
T = random.randint(0,100)
oxygen = random.randint(0,100)
turbidity = random.randint(0,100)
# Send Temperature & Humidity to IBM Watson
data = {'T': T,'pH':pH,'conductivity':conductivity,'oxygen':oxygen,"turbidity":turbidity}
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Show diff
Python code (2).pdf
Python output (2).docx
Python output (1).docx
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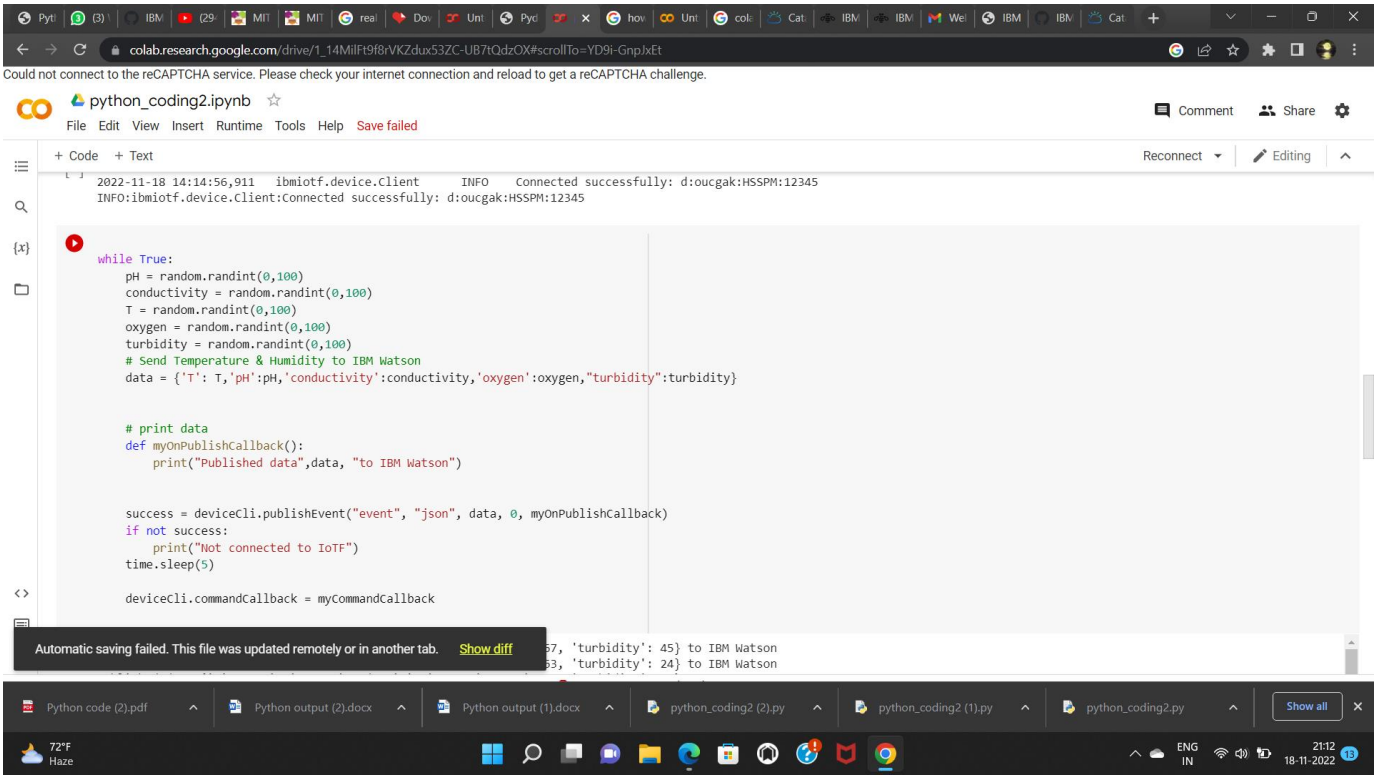
colab.research.google.com/drive/1_14MilFt9f8rVKZdux53ZC-UB7tQdzOX#scrollTo=YD9i-GnpJxEt
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oxygen = random.randint(0,100)
turbidity = random.randint(0,100)
# Send Temperature & Humidity to IBM Watson
data = {'T': T,'pH':pH,'conductivity':conductivity,'oxygen':oxygen,"turbidity":turbidity}
# print data
def myOnPublishCallback():
print("Published data",data, "to IBM Watson")
success = deviceCli.publishEvent("event", "json", data, 0, myOnPublishCallback)
if not success:
print("Not connected to IoTF")
time.sleep(5)
deviceCli.commandCallback = myCommandCallback
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57, 'turbidity': 45} to IBM Watson
33, 'turbidity': 24} to IBM Watson
Python code (2).pdf
Python output (2).docx
Python output (1).docx
python_coding2 (2).py
python_coding2 (1).py
python_coding2.py
Show all
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