Python Software

Team ID : PNT2022TMID06917.

Project Name : Real time river water quality monitoring and Control System

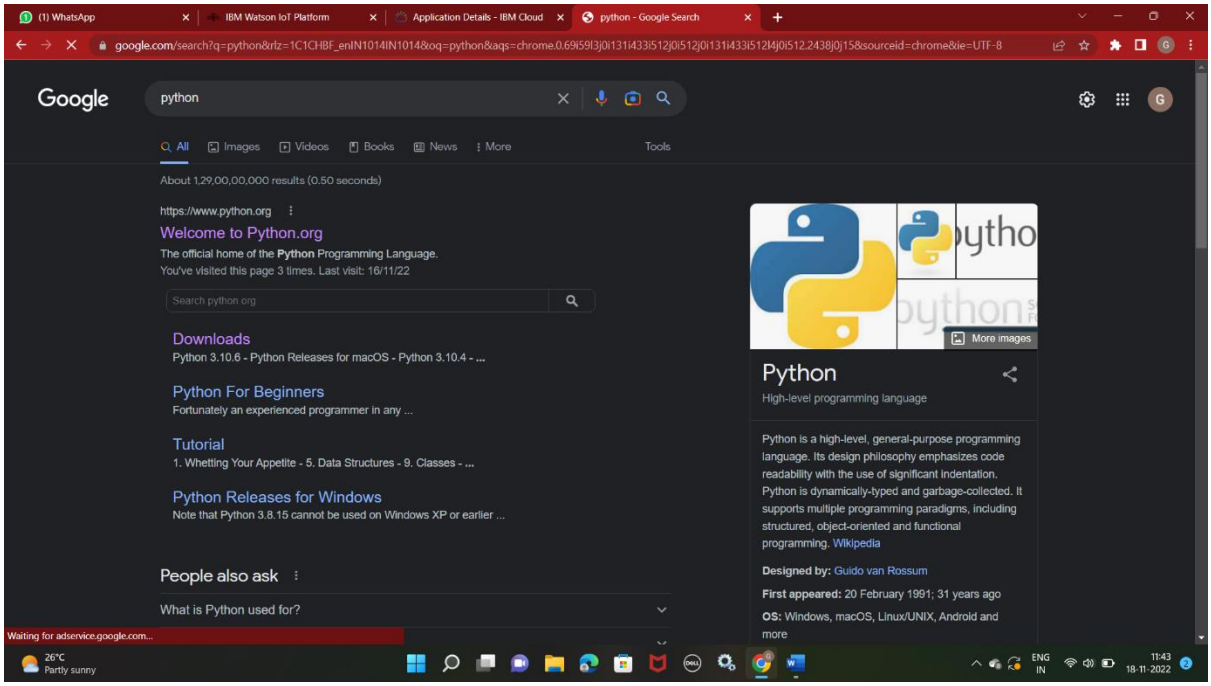
Team Members:

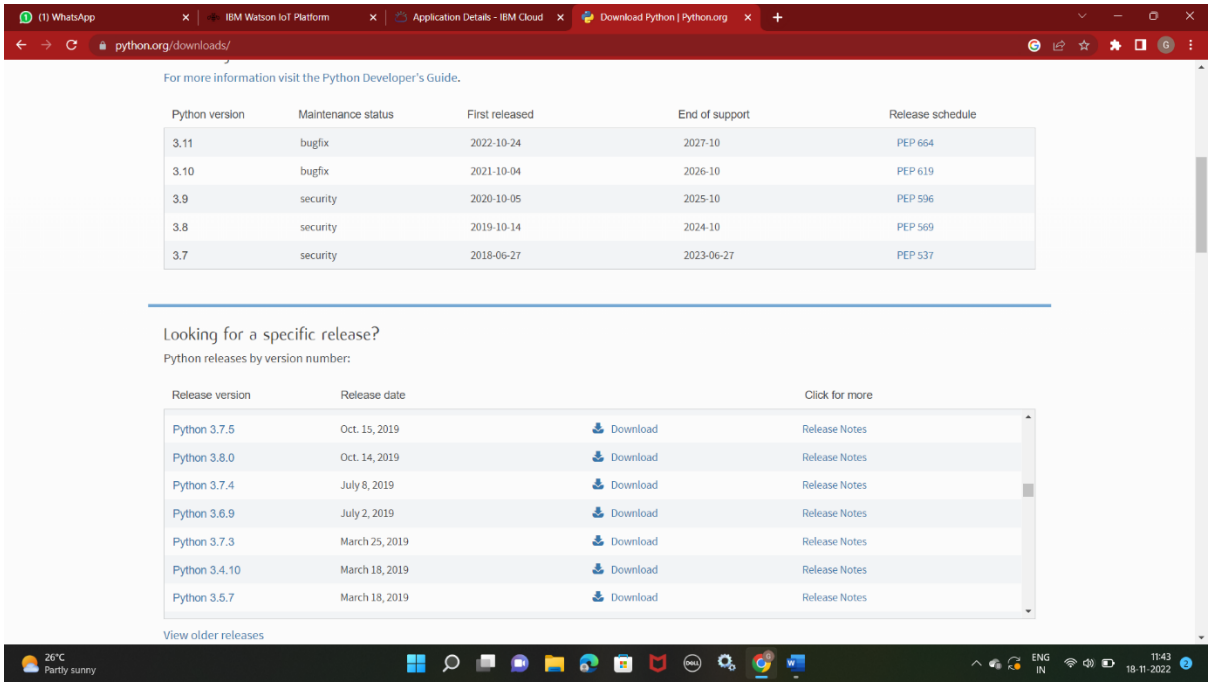
1. Gowtham R - Team Leader

2. Arun Vikram A R-Team Member

3. Arunprasath K - Team Member

4. Gowtham S - Team Member

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Download Python | Python.org
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For more information visit the Python Developer's Guide.
Python version | Maintenance status | First released | End of support | Release schedule
3.11 | bugfix | 2022-10-24 | 2027-10 | PEP 664
3.10 | bugfix | 2021-10-04 | 2026-10 | PEP 619
3.9 | security | 2020-10-05 | 2025-10 | PEP 596
3.8 | security | 2019-10-14 | 2024-10 | PEP 569
3.7 | security | 2018-06-27 | 2023-06-27 | PEP 537
Looking for a specific release?
Python releases by version number:
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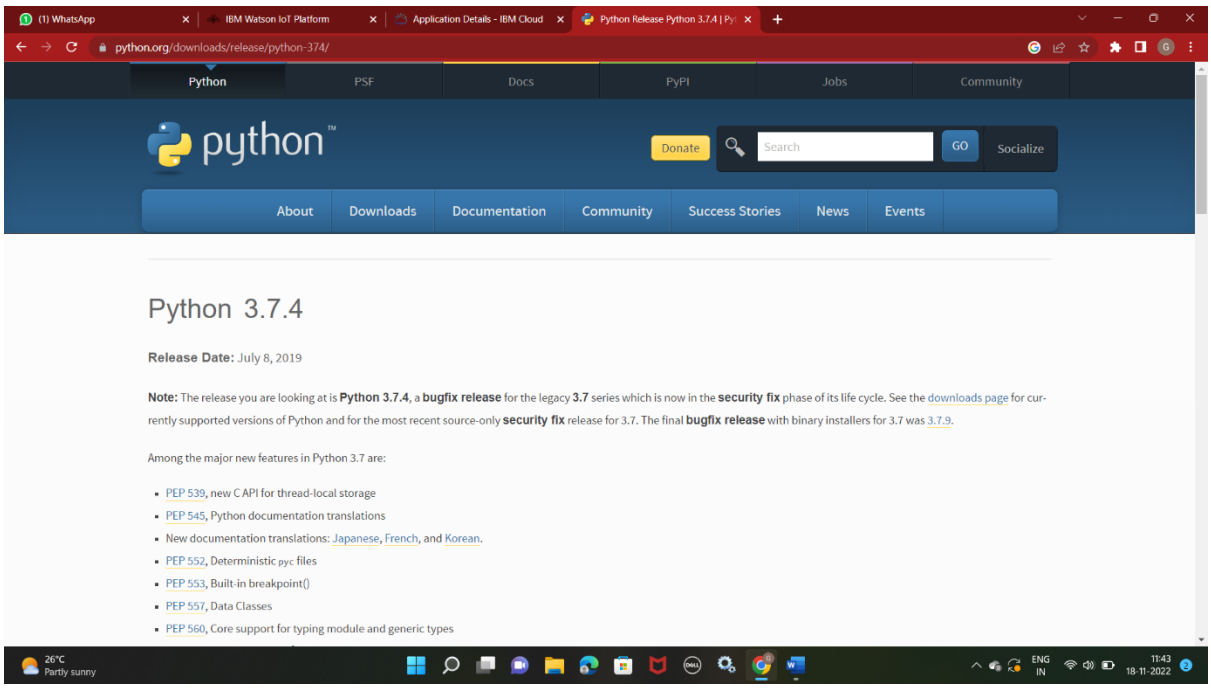
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Python Release Python 3.7.4 | Py
python.org/downloads/release/python-374/
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Python 3.7.4
Release Date: July 8, 2019
Note: The release you are looking at is Python 3.7.4, a bugfix release for the legacy 3.7 series which is now in the security fix phase of its life cycle. See the downloads page for currently supported versions of Python and for the most recent source-only security fix release for 3.7. The final bugfix release with binary installers for 3.7 was 3.7.9.
Among the major new features in Python 3.7 are:
PEP 539, new C API for thread-local storage
PEP 545, Python documentation translations
New documentation translations: Japanese, French, and Korean.
PEP 552, Deterministic pyc files
PEP 553, Built-in breakpoint()
PEP 557, Data Classes
PEP 560, Core support for typing module and generic types
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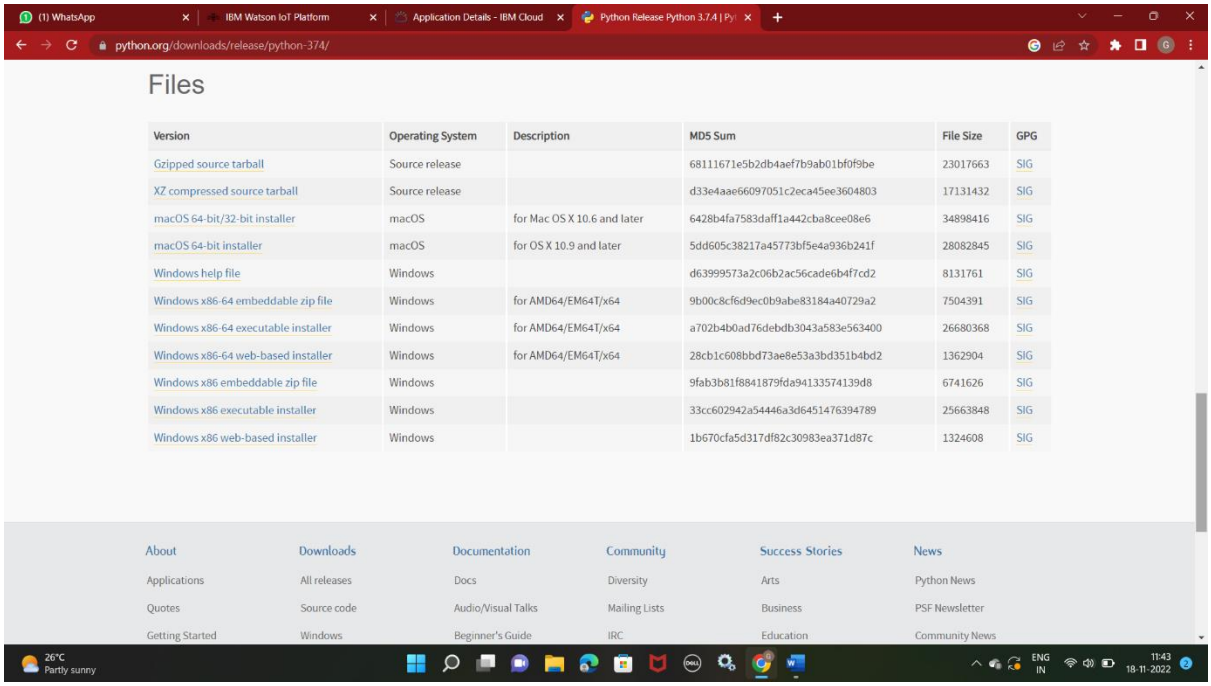
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Python Release Python 3.7.4 | Py
python.org/downloads/release/python-374/
Files
Version
Operating System
Description
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File Size
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Gzipped source tarball
Source release
68111671e5b2db4aef7b9ab01bf0f9be
23017663
SIG
XZ compressed source tarball
Source release
d33e4aae66097051c2eca45ee3604803
17131432
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macOS
for Mac OS X 10.6 and later
6428b4fa7583daff1a442cba8cee08e6
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SIG
macOS 64-bit installer
macOS
for OS X 10.9 and later
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Windows help file
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for AMD64/EM64T/x64
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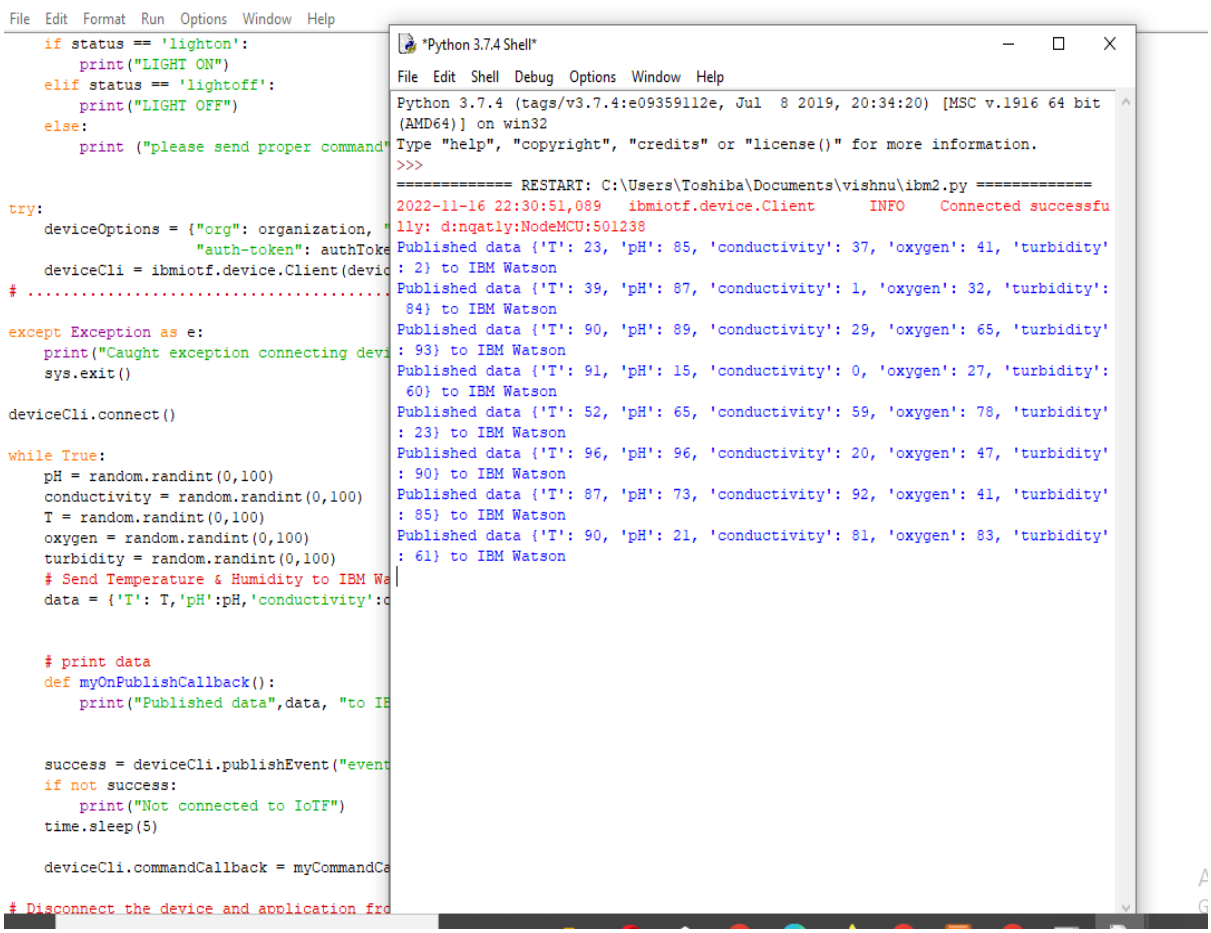
File Edit Format Run Options Window Help
if status == 'lighton':
print("LIGHT ON")
elif status == 'lightoff':
print("LIGHT OFF")
else:
print ("please send proper command"
try:
deviceOptions = {"org": organization,
"auth-token": authTok
deviceCli = ibmiotf.device.Client(devic
except Exception as e:
print("Caught exception connecting devi
sys.exit()
deviceCli.connect()
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 Wa
data = {'T': T,'pH':pH,'conductivity':c
# print data
def myOnPublishCallback():
print("Published data",data, "to IB
success = deviceCli.publishEvent("event
if not success:
print("Not connected to IoTF")
time.sleep(5)
deviceCli.commandCallback = myCommandCa
# Disconnect the device and application fro
Python 3.7.4 Shell
File Edit Shell Debug Options Window Help
Python 3.7.4 (tags/v3.7.4:e09359112e, Jul 8 2019, 20:34:20) [MSC v.1916 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
========== RESTART: C:\Users\Toshiba\Documents\vishnu\ibm2.py ==========
2022-11-16 22:30:51,089 ibmiotf.device.Client INFO Connected successfully: d:nqatly:NodeMCU:501238
Published data {'T': 23, 'pH': 85, 'conductivity': 37, 'oxygen': 41, 'turbidity': 2} to IBM Watson
Published data {'T': 39, 'pH': 87, 'conductivity': 1, 'oxygen': 32, 'turbidity': 84} to IBM Watson
Published data {'T': 90, 'pH': 89, 'conductivity': 29, 'oxygen': 65, 'turbidity': 93} to IBM Watson
Published data {'T': 91, 'pH': 15, 'conductivity': 0, 'oxygen': 27, 'turbidity': 60} to IBM Watson
Published data {'T': 52, 'pH': 65, 'conductivity': 59, 'oxygen': 78, 'turbidity': 23} to IBM Watson
Published data {'T': 96, 'pH': 96, 'conductivity': 20, 'oxygen': 47, 'turbidity': 90} to IBM Watson
Published data {'T': 87, 'pH': 73, 'conductivity': 92, 'oxygen': 41, 'turbidity': 85} to IBM Watson
Published data {'T': 90, 'pH': 21, 'conductivity': 81, 'oxygen': 83, 'turbidity': 61} to IBM Watson