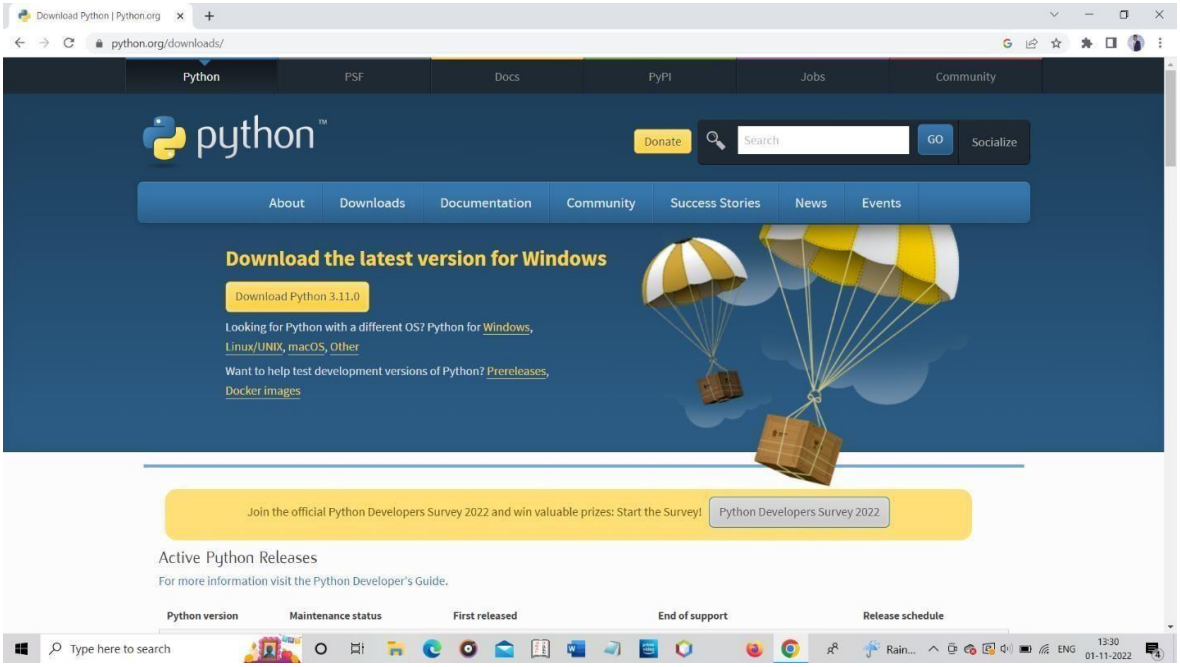
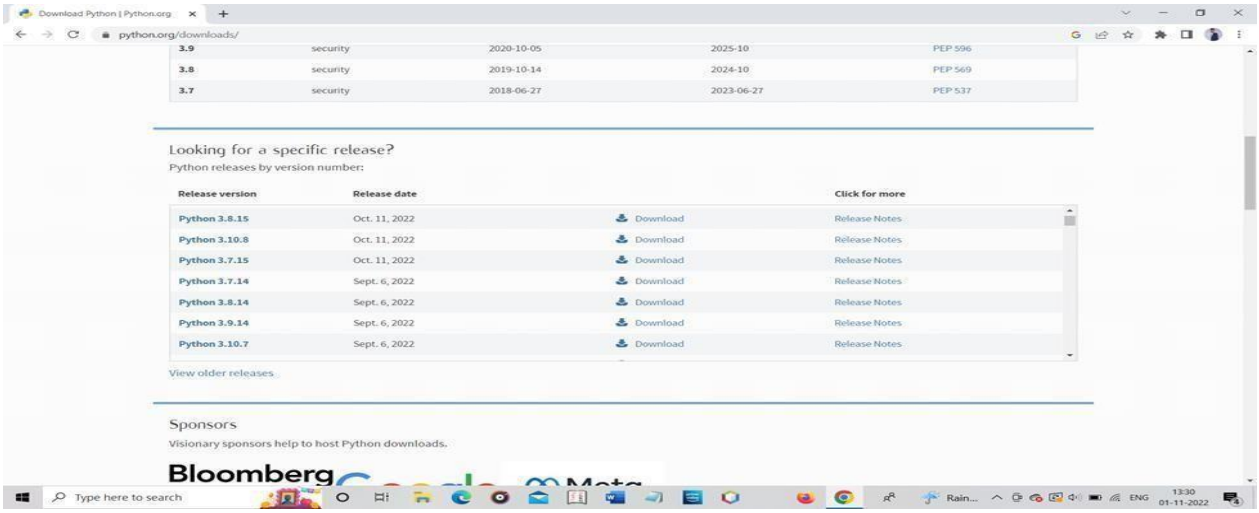
# PYTHON SOFTWARE

| | |
|---|---|
| Team ID | PNT2022TMID00858 |
| Project Name | IOT-BASED BABY MONITORING SYSTEM SURVEY USING THE RASPBERRY Pi |

STEP-1



# STEP-2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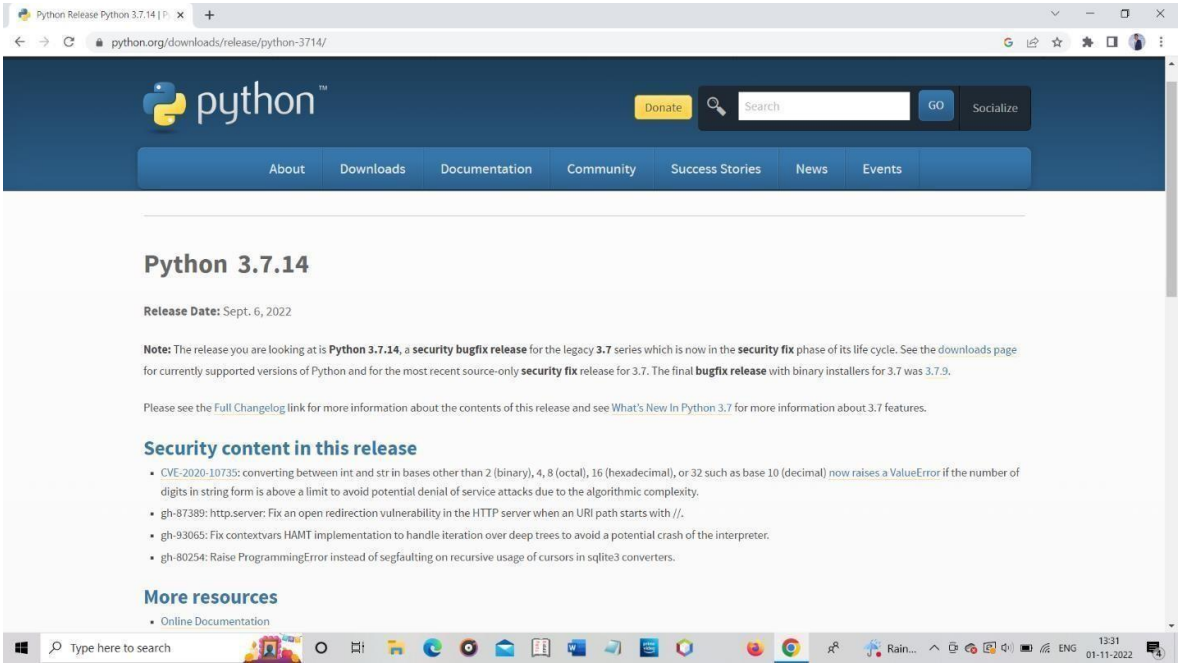
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Python 3.7.14
Release Date: Sept. 6, 2022
Note: The release you are looking at is Python 3.7.14, a security bugfix release for the legacy 3.7 series which is now in the security fix phase of its life cycle. See the downloads page for currently supported 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.
Please see the Full Changelog link for more information about the contents of this release and see What's New In Python 3.7 for more information about 3.7 features.
Security content in this release
CVE-2020-10735: converting between int and str in bases other than 2 (binary), 4, 8 (octal), 16 (hexadecimal), or 32 such as base 10 (decimal) now raises a ValueError if the number of digits in string form is above a limit to avoid potential denial of service attacks due to the algorithmic complexity.
gh-87389: http.server: Fix an open redirection vulnerability in the HTTP server when an URI path starts with //.
gh-93065: Fix contextvars HAMT implementation to handle iteration over deep trees to avoid a potential crash of the interpreter.
gh-80254: Raise ProgrammingError instead of segfaulting on recursive usage of cursors in sqlite3 converters.
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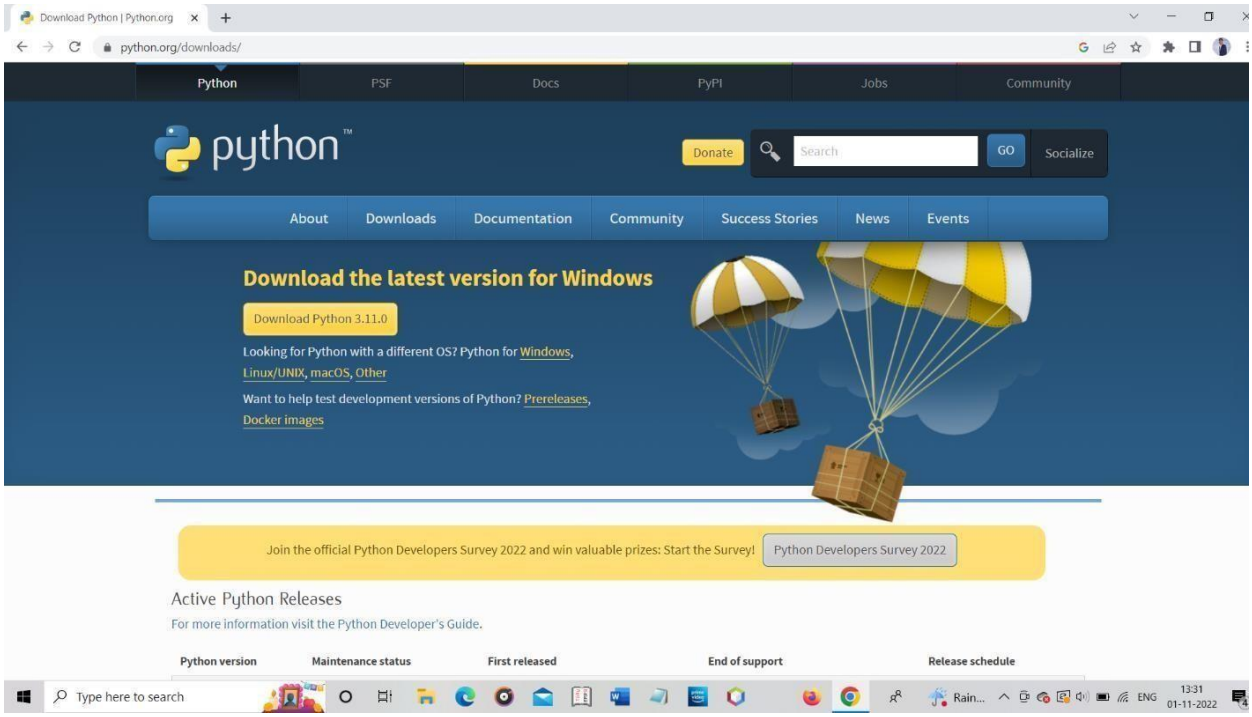
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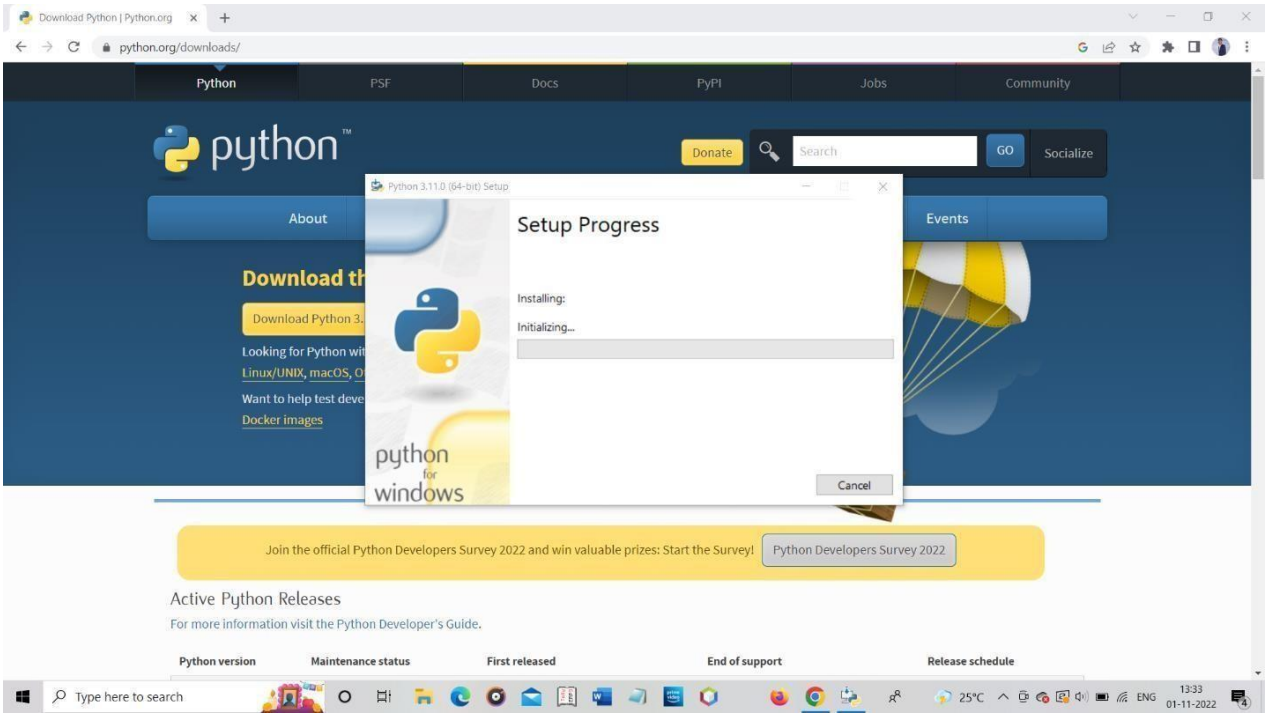
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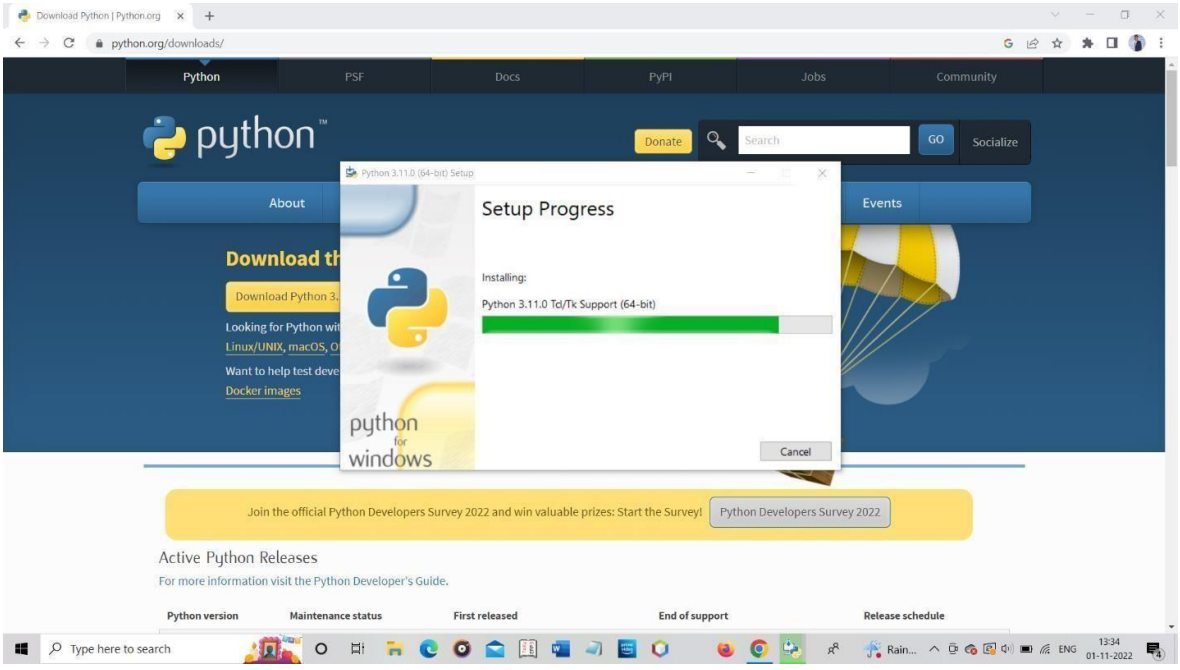
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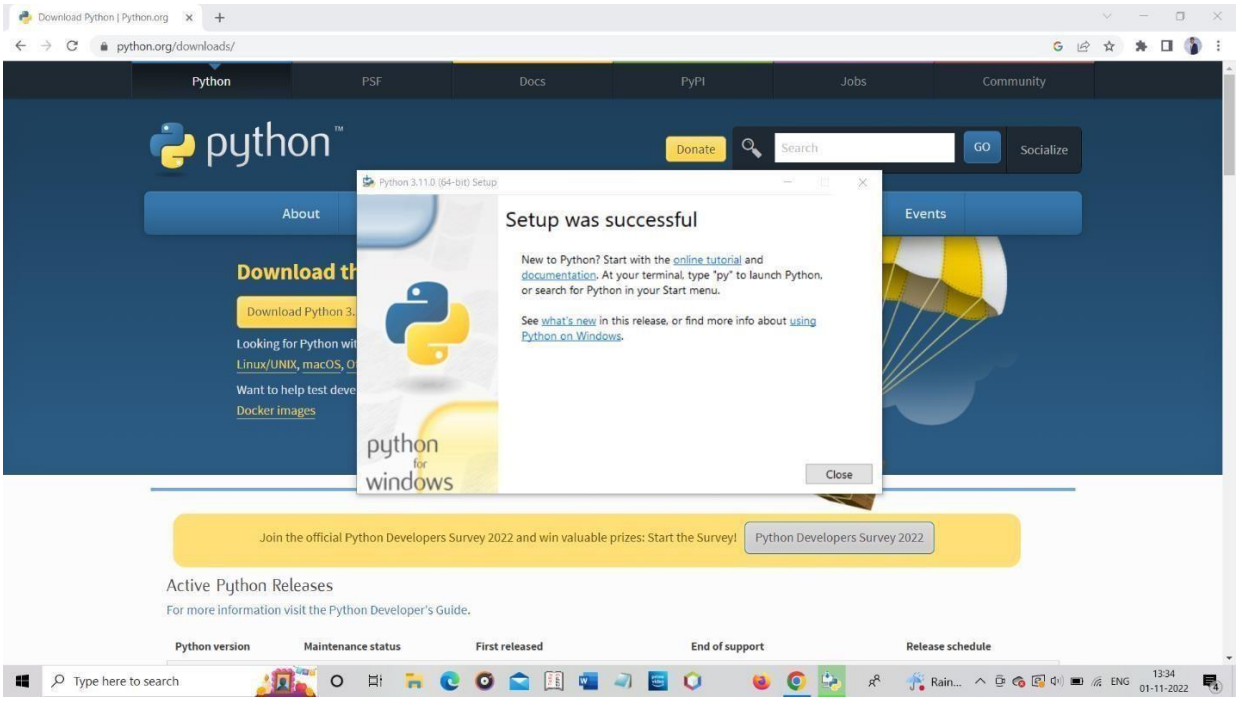


PYTHON CODE:

```
 import json
 import wiotp.sdk.device
 import time
 myConfig = {
   "identity":{
      "orgId": "hj5fmy",
      "typeId": "NodeMCU",
      "deviceId":"12345"
},
"auth": {
"token": "12345678"
 }
 }
client = wiotp.sdk.device.DeviceClient(config=myConfig, logHandlers=None)
client. connect ()
while True:
name ="smart bridge"
#in area location
#latitude=17.4219272
#longitude=78.5488783
#out area location
latitude=17.4219272
longitude=78.5488783 myData= {'name':name,'lat': latitude, 'log': longitude}
client. publish Event (event ID="status", msgFormat="json",
data=myData, qos=0, on publish=None)
print ("Data published to IBM IOT platform: "myData)
time. Sleep (5)
```

# STEP-8

client. disconnect ()