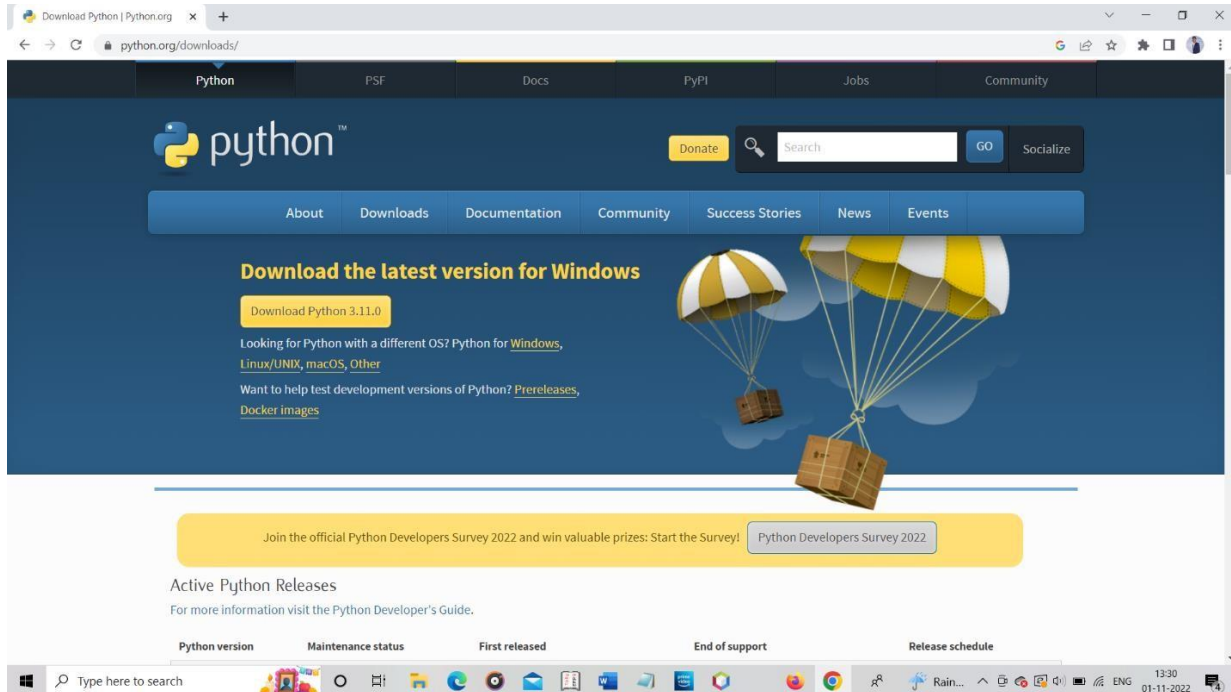


PYTHON SOFTWARE

<u>Date</u>	<u>19 September 2022</u>
<u>Team ID</u>	<u>PNJ2022TMID47401</u>
<u>Project Name</u>	<u>IoT Based Safety Gadget for Child Safety Monitoring & Notification</u>

STEP-1



STEP-2

The screenshot shows the Python.org website's download section. At the top, there's a table of security releases:

Version	Category	Release Date	End of Support	PEP
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

Below this table, there's a section titled "Looking for a specific release?" with the text "Python releases by version number:". This is followed by a table of releases:

Release version	Release date	Download	Click for more
Python 3.8.15	Oct. 11, 2022	Download	Release Notes
Python 3.10.8	Oct. 11, 2022	Download	Release Notes
Python 3.7.15	Oct. 11, 2022	Download	Release Notes
Python 3.7.14	Sept. 6, 2022	Download	Release Notes
Python 3.8.14	Sept. 6, 2022	Download	Release Notes
Python 3.9.14	Sept. 6, 2022	Download	Release Notes
Python 3.10.7	Sept. 6, 2022	Download	Release Notes

At the bottom of the screenshot, there's a "Sponsors" section with the text "Visionary sponsors help to host Python downloads." and logos for Bloomberg and Meta.

STEP-3

The screenshot shows the Python.org website's release page for Python 3.7.14. The page has a dark blue header with the Python logo, a "Donate" button, a search bar, and a "Socialize" button. Below the header is a navigation bar with links to "About", "Downloads", "Documentation", "Community", "Success Stories", "News", and "Events".

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.

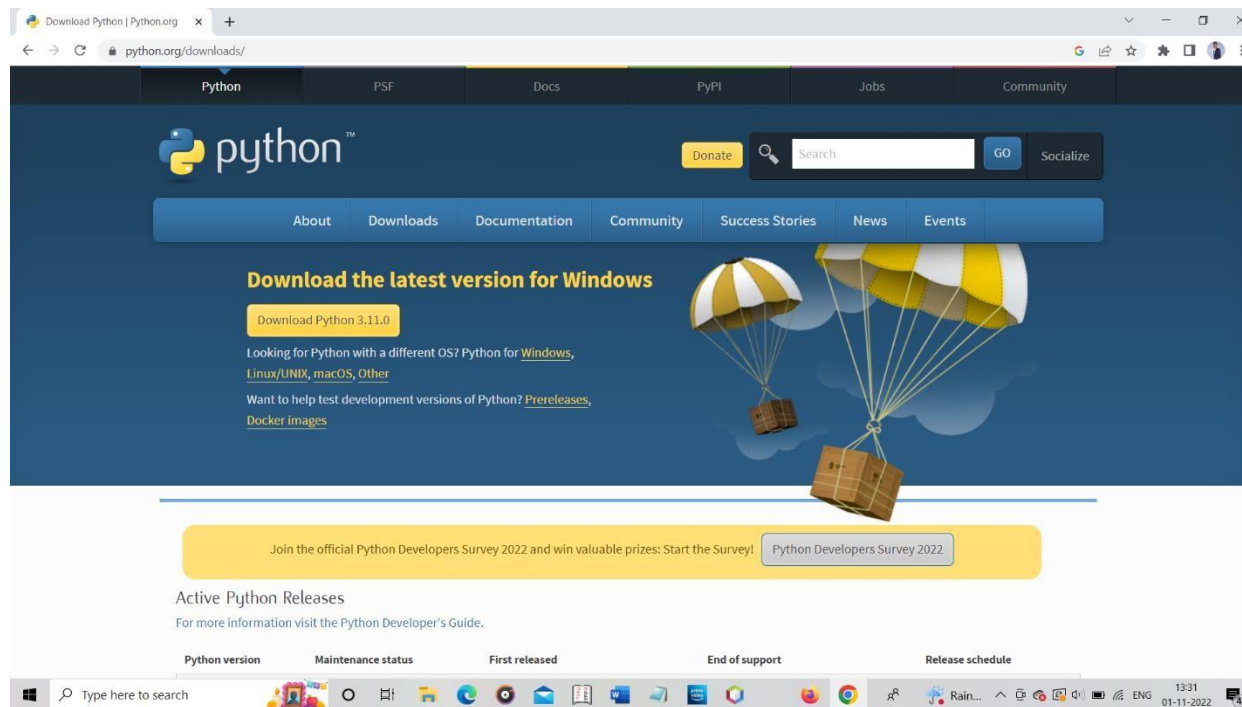
Security content in this release

- 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.

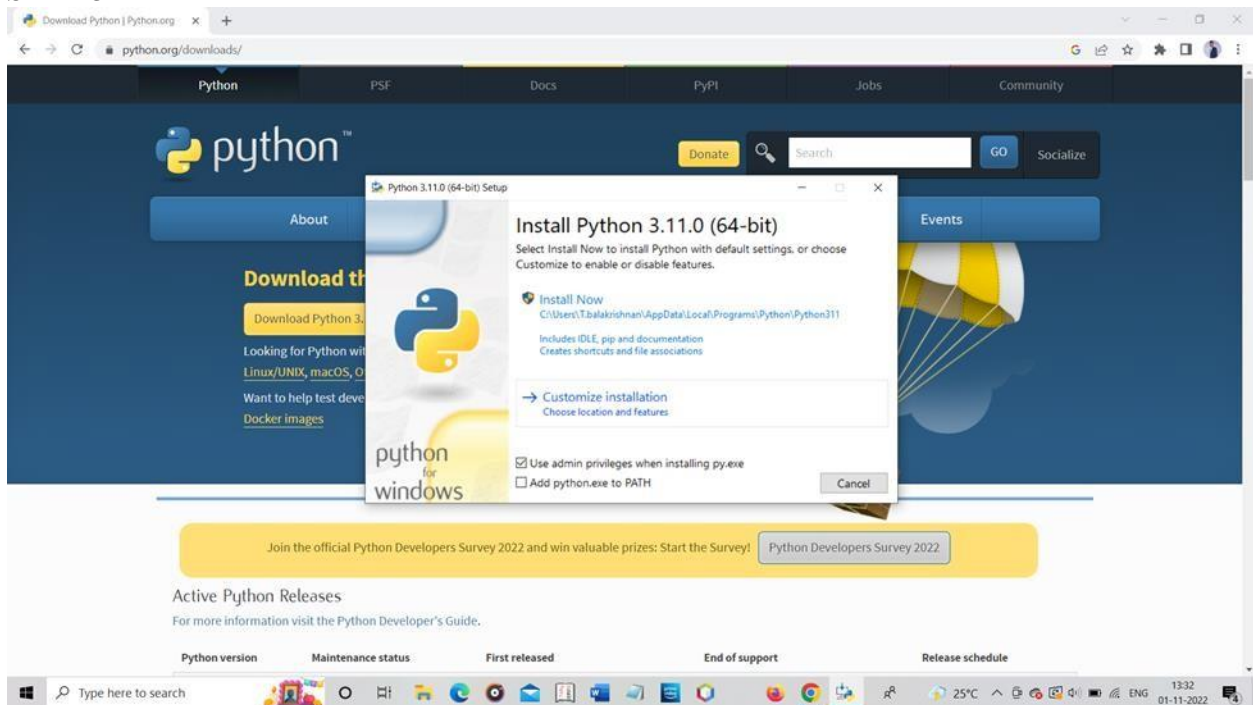
More resources

- [Online Documentation](#)

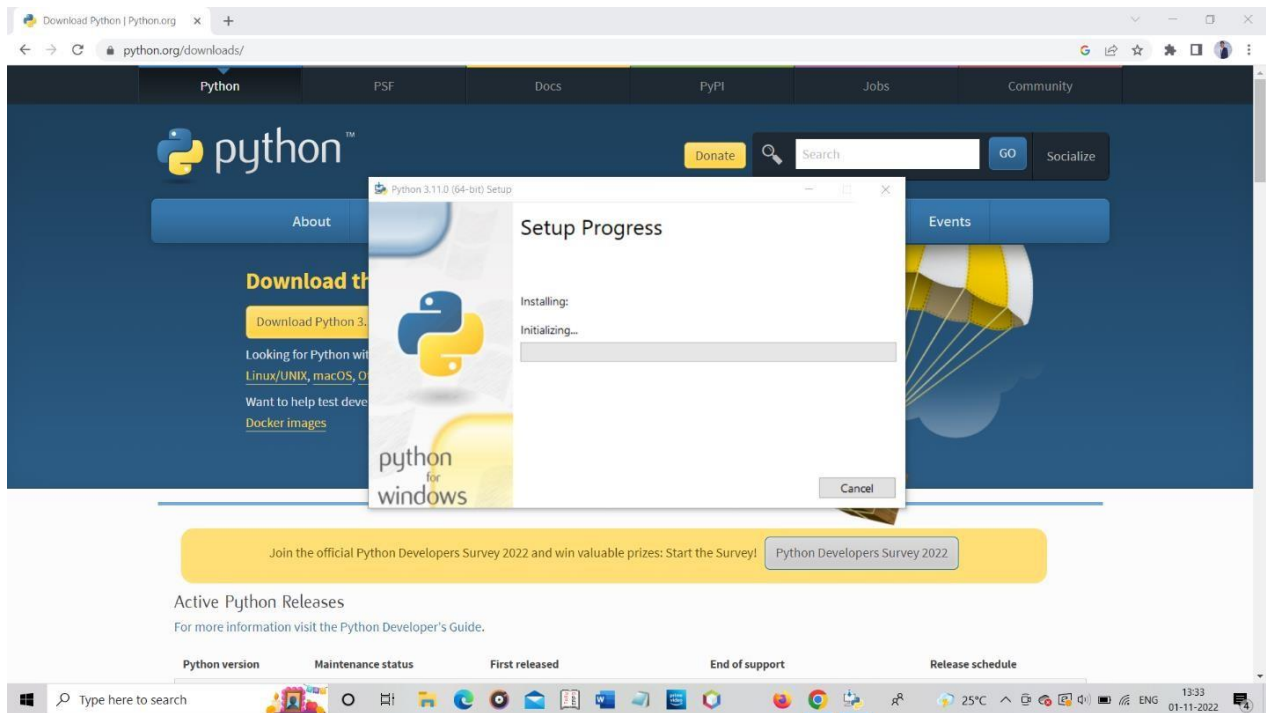
STEP-4



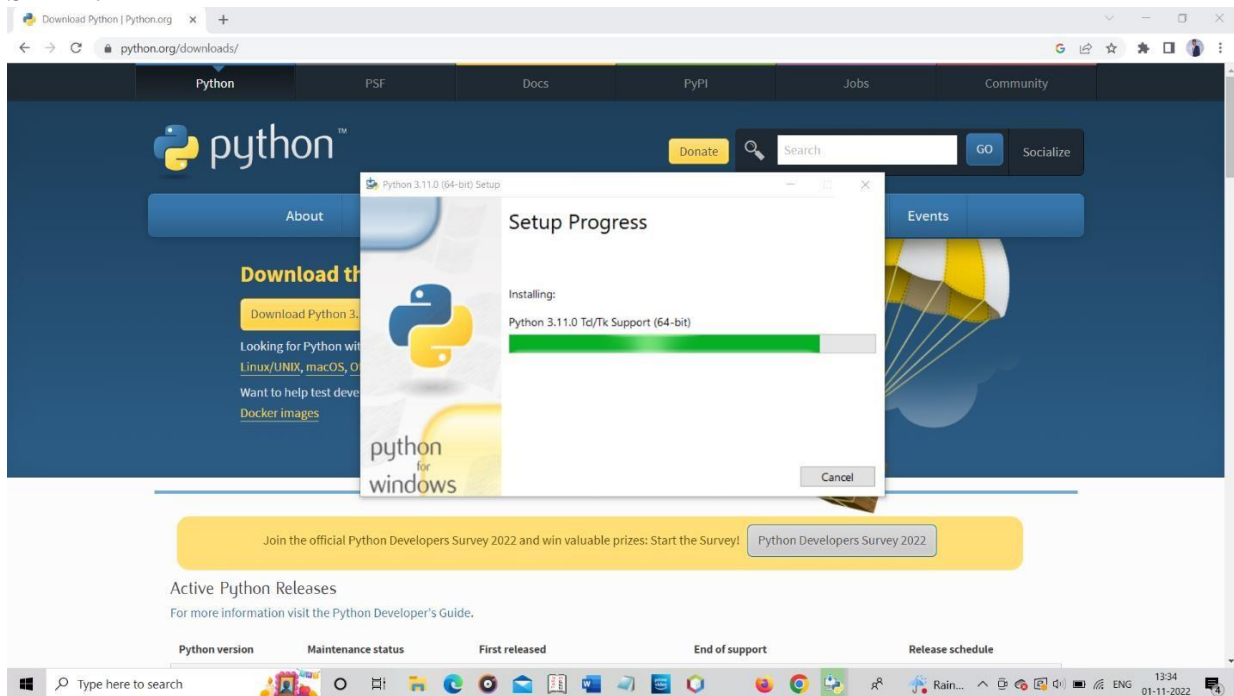
STEP-5



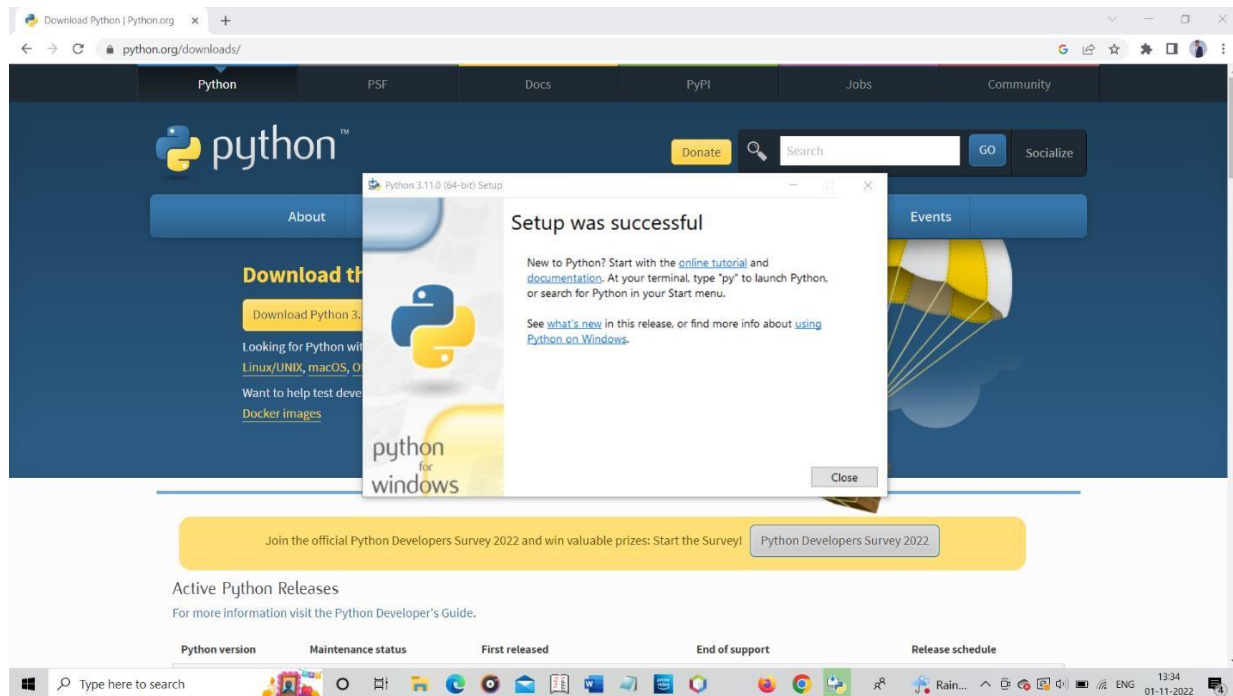
STEP-6



STEP-7



STEP-8



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()`

File Edit Shell Debug Options Window Help

Python 3.9.7 (tags/v3.9.7:1016ef3, Aug 30 2021, 20:19:38) [MSC v.1929 64 bit (AMD64)] on win32

Type "help", "copyright", "credits" or "license()" for more information.

>>>

===== RESTART: C:/Users/User/Downloads/trypython.py =====

Type a number: 5

Type another number: 8

The sum is: 13

>>>