

```
pip install dnspython
```

```
Collecting dnspython
  Downloading dnspython-2.8.0-py3-none-any.whl.metadata (5.7 kB)
  Downloading dnspython-2.8.0-py3-none-any.whl (331 kB)
    ━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━ 331.1/331.1 kB 15.8 MB/s eta 0:00:00
Installing collected packages: dnspython
Successfully installed dnspython-2.8.0
```

```
#dns
import dns.resolver

def dns_lookup():
    d = "example.com"
    try:
        with open("dns.txt", "w") as f:
            for r in dns.resolver.resolve(d, "A"):
                f.write(str(r) + "\n")
            for r in dns.resolver.resolve(d, "MX"):
                f.write(str(r.exchange) + "\n")
        try:
            for r in dns.resolver.resolve(d, "CNAME"):
                f.write(str(r.target) + "\n")
        except dns.resolver.NoAnswer:
            f.write("No CNAME\n")
        print("Saved to dns.txt")
    except Exception as e:
        print("Error:", e)

dns_lookup()
```

Saved to dns.txt

```
import requests

def http_requests():
    try:
        get_url = "https://postman-echo.com/get?message=hello"
        r1 = requests.get(get_url)
        print("GET:", r1.status_code, r1.text[:200])

        post_url = "https://postman-echo.com/post"
        r2 = requests.post(post_url, data={"msg": "hello"})
        print("POST:", r2.status_code, r2.text[:200])
    except Exception as e:
        print("Error:", e)

http_requests()
```

```
GET: 200 {
  "args": {
    "message": "hello"
  },
  "headers": {
    "host": "postman-echo.com",
    "x-request-start": "t1757407955.641",
    "connection": "close",
    "x-forwarded-proto": "https",
    "x-f
POST: 200 {
  "args": {},
  "data": "",
  "files": {},
  "form": {
    "msg": "hello"
  },
  "headers": {
    "host": "postman-echo.com",
    "x-request-start": "t1757407955.659",
    "connection": "close",
```

```
from ftplib import FTP

def ftp_ops():
    try:
        ftp = FTP("ftp.dlptest.com")
        ftp.login("dlpuser", "rNrKYTX9g7z3RgJRmxWuGHbeu")
        ftp.retrlines("LIST")
```

```

with open("up.txt", "w") as f: f.write("test")
with open("up.txt", "rb") as f: ftp.storbinary("STOR up.txt", f)
print("Uploaded")

with open("down.txt", "wb") as f: ftp.retrbinary("RETR up.txt", f.write)
print("Downloaded")

ftp.quit()
except Exception as e:
    print("Error:", e)

ftp_ops()

```

```

-rw-r--r-- 1 1001 1001 1770028 Sep 09 08:51 FTPUL_869826041445113_1757407857719_9.dat
-rw-r--r-- 1 1001 1001 1042108 Sep 09 08:51 FTPUL_869826041445113_1757407857720_12.dat
-rw-r--r-- 1 1001 1001 1294184 Sep 09 08:51 FTPUL_869826041445113_1757407857720_5.dat
-rw-r--r-- 1 1001 1001 2244524 Sep 09 08:51 FTPUL_869826041445113_1757407857721_19.dat
-rw-r--r-- 1 1001 1001 5285612 Sep 09 08:51 FTPUL_869826041445113_1757407857723_13.dat
-rw-r--r-- 1 1001 1001 2495252 Sep 09 08:51 FTPUL_869826041445113_1757407857723_16.dat
-rw-r--r-- 1 1001 1001 861476 Sep 09 08:51 FTPUL_869826041445113_1757407857723_17.dat
-rw-r--r-- 1 1001 1001 479992 Sep 09 08:51 FTPUL_869826041445113_1757407857724_2.dat
-rw-r--r-- 1 1001 1001 3834848 Sep 09 08:51 FTPUL_869826041445113_1757407857724_20.dat
-rw-r--r-- 1 1001 1001 989536 Sep 09 08:51 FTPUL_869826041445113_1757407857724_8.dat
-rw-r--r-- 1 1001 1001 0 Sep 09 08:50 FTPUL_869826041445113_1757407857725_11.dat
-rw-r--r-- 1 1001 1001 2009232 Sep 09 08:51 FTPUL_869826041445113_1757407857725_4.dat
-rw-r--r-- 1 1001 1001 645796 Sep 09 08:51 FTPUL_869826041445113_1757407857725_6.dat
-rw-r--r-- 1 1001 1001 3800116 Sep 09 08:51 FTPUL_869826041445113_1757407857726_22.dat
-rw-r--r-- 1 1001 1001 3521080 Sep 09 08:51 FTPUL_869826041445113_1757407857728_1.dat
-rw-r--r-- 1 1001 1001 1821252 Sep 09 08:51 FTPUL_869826041445113_1757407857731_15.dat
-rw-r--r-- 1 1001 1001 857432 Sep 09 08:51 FTPUL_869826041445113_1757407857731_7.dat
-rw-r--r-- 1 1001 1001 2200040 Sep 09 08:51 FTPUL_869826041445113_1757407857732_23.dat
-rw-r--r-- 1 1001 1001 3256872 Sep 09 08:51 FTPUL_869826041445113_1757407857732_24.dat
-rw-r--r-- 1 1001 1001 4680256 Sep 09 08:53 FTPUL_869826041445113_1757407967900_21.dat
-rw-r--r-- 1 1001 1001 5009168 Sep 09 08:53 FTPUL_869826041445113_1757407967900_11.dat
-rw-r--r-- 1 1001 1001 4873020 Sep 09 08:53 FTPUL_869826041445113_1757407967900_12.dat
-rw-r--r-- 1 1001 1001 8774132 Sep 09 08:53 FTPUL_869826041445113_1757407967900_14.dat
-rw-r--r-- 1 1001 1001 9799960 Sep 09 08:53 FTPUL_869826041445113_1757407967900_20.dat
-rw-r--r-- 1 1001 1001 3336300 Sep 09 08:53 FTPUL_869826041445113_1757407967900_24.dat
-rw-r--r-- 1 1001 1001 2396744 Sep 09 08:53 FTPUL_869826041445113_1757407967900_7.dat
-rw-r--r-- 1 1001 1001 0 Sep 09 08:52 FTPUL_869826041445113_1757407967900_0.dat
-rw-r--r-- 1 1001 1001 12641544 Sep 09 08:53 FTPUL_869826041445113_1757407967900_10.dat
-rw-r--r-- 1 1001 1001 1195676 Sep 09 08:53 FTPUL_869826041445113_1757407967900_16.dat
-rw-r--r-- 1 1001 1001 6757524 Sep 09 08:53 FTPUL_869826041445113_1757407967900_17.dat
-rw-r--r-- 1 1001 1001 8038124 Sep 09 08:53 FTPUL_869826041445113_1757407967900_22.dat
-rw-r--r-- 1 1001 1001 0 Sep 09 08:52 FTPUL_869826041445113_1757407967900_6.dat
-rw-r--r-- 1 1001 1001 1835976 Sep 09 08:53 FTPUL_869826041445113_1757407967900_8.dat
-rw-r--r-- 1 1001 1001 5836840 Sep 09 08:53 FTPUL_869826041445113_1757407967900_15.dat
-rw-r--r-- 1 1001 1001 0 Sep 09 08:52 FTPUL_869826041445113_1757407967900_18.dat
-rw-r--r-- 1 1001 1001 2417068 Sep 09 08:53 FTPUL_869826041445113_1757407967900_3.dat
-rw-r--r-- 1 1001 1001 2807884 Sep 09 08:53 FTPUL_869826041445113_1757407967900_4.dat
-rw-r--r-- 1 1001 1001 2499192 Sep 09 08:53 FTPUL_869826041445113_1757407967900_19.dat
-rw-r--r-- 1 1001 1001 0 Sep 09 08:52 FTPUL_869826041445113_1757407967900_5.dat
-rw-r--r-- 1 1001 1001 1129624 Sep 09 08:53 FTPUL_869826041445113_1757407967900_1.dat
-rw-r--r-- 1 1001 1001 3949640 Sep 09 08:53 FTPUL_869826041445113_1757407967900_9.dat
-rw-r--r-- 1 1001 1001 7990944 Sep 09 08:53 FTPUL_869826041445113_1757407967900_13.dat
-rw-r--r-- 1 1001 1001 2985820 Sep 09 08:53 FTPUL_869826041445113_1757407967900_2.dat
-rw-r--r-- 1 1001 1001 12303196 Sep 09 08:53 FTPUL_869826041445113_1757407967900_23.dat
drwxr-xr-x 2 1001 1001 6 Sep 09 08:53 MonthlyAttendance
drwxr-xr-x 2 1001 1001 6 Sep 09 08:53 UserDetails
drwxr-xr-x 3 1001 1001 18 Sep 09 08:56 Vorne
-rw-r--r-- 1 1001 1001 100000 Sep 09 08:55 _11474446
-rw-r--r-- 1 1001 1001 100000 Sep 09 08:50 _11477656
-rw-r--r-- 1 1001 1001 100000 Sep 09 08:55 _11478019
-rw-r--r-- 1 1001 1001 100000 Sep 09 08:55 _11478021
-rw-r--r-- 1 1001 1001 100000 Sep 09 08:50 _11478087
-rw-r--r-- 1 1001 1001 144 Sep 09 08:53 test.zip
-rw-r--r-- 1 1001 1001 4 Sep 09 08:52 up.txt
-rw-r--r-- 1 1001 1001 20971520 Sep 09 08:55 upload-m3caZXCHZBabKp8YSKAPthZwtfLz0jE6rpTLMYi0W8MXjvdmBv
-rw-r--r-- 1 1001 1001 102400 Sep 09 08:54 upload.txt
-rw-r--r-- 1 1001 1001 28 Sep 09 08:53 upload_test_2302mc05_iitp.txt
Error: [Errno 110] Connection timed out

```

```

import smtplib
from email.mime.text import MIMEText

def send_email():
    username = "api"
    password = "d32155f441fcb83279f36c8d660e7415"
    sender = "hello@demomailtrap.co"
    receiver = "utkarsh16kumar@gmail.com"

    msg = MIMEText("Hello User, this is a test email via Mailtrap.")
    msg["Subject"] = "CN Lab 2 - SMTP Test"
    msg["From"] = sender
    msg["To"] = receiver

```

```
try:
    s = smtplib.SMTP("live.smtp.mailtrap.io", 587)
    s.starttls()
    s.login(username, password)
    s.sendmail(sender, receiver, msg.as_string())
    s.quit()
    print("Email sent successfully.")
except Exception as e:
    print("Error:", e)

send_email()
```

Error: {'utkarsh16kumar@gmail.com': (554, b'5.7.1 Demo domains can only be used to send emails to account owners. You can only

Start coding or generate with AI.