

## Zad 1

```
C:\Windows\system32\cmd.exe - python
Try `python -h` for more information.

C:\Users\andrii>python --version
Python 3.11.2
```

## Zad 2



## Zad 3

### Wersja z VLC

```
C:\Windows\system32\cmd.exe - python
Python 3.11.2

C:\Users\andrii>cd
C:\Users\andrii

C:\Users\andrii>cd Desktop
C:\Users\andrii\Desktop>cd projekt
C:\Users\andrii\Desktop\projekt>cd pythonArchive
C:\Users\andrii\Desktop\projekt\pythonArchive>python -m venv wirtualne
C:\Users\andrii\Desktop\projekt\pythonArchive>.\wirtualne\Scripts\activate.bat

(wirtualne) C:\Users\andrii\Desktop\projekt\pythonArchive>where python
C:\Users\andrii\Desktop\projekt\pythonArchive\wirtualne\Scripts\python.exe
C:\Users\andrii\AppData\Local\Programs\Python\Python311\python.exe
C:\Users\andrii\AppData\Local\Microsoft\WindowsApps\python.exe

(wirtualne) C:\Users\andrii\Desktop\projekt\pythonArchive>pip install python-vlc
Collecting python-vlc
  Using cached python_vlc-3.0.18121-py3-none-any.whl (79 kB)
Installing collected packages: python-vlc
Successfully installed python-vlc-3.0.18121

[notice] A new release of pip available: 22.3.1 -> 23.0.1
[notice] To update, run: python.exe -m pip install --upgrade pip

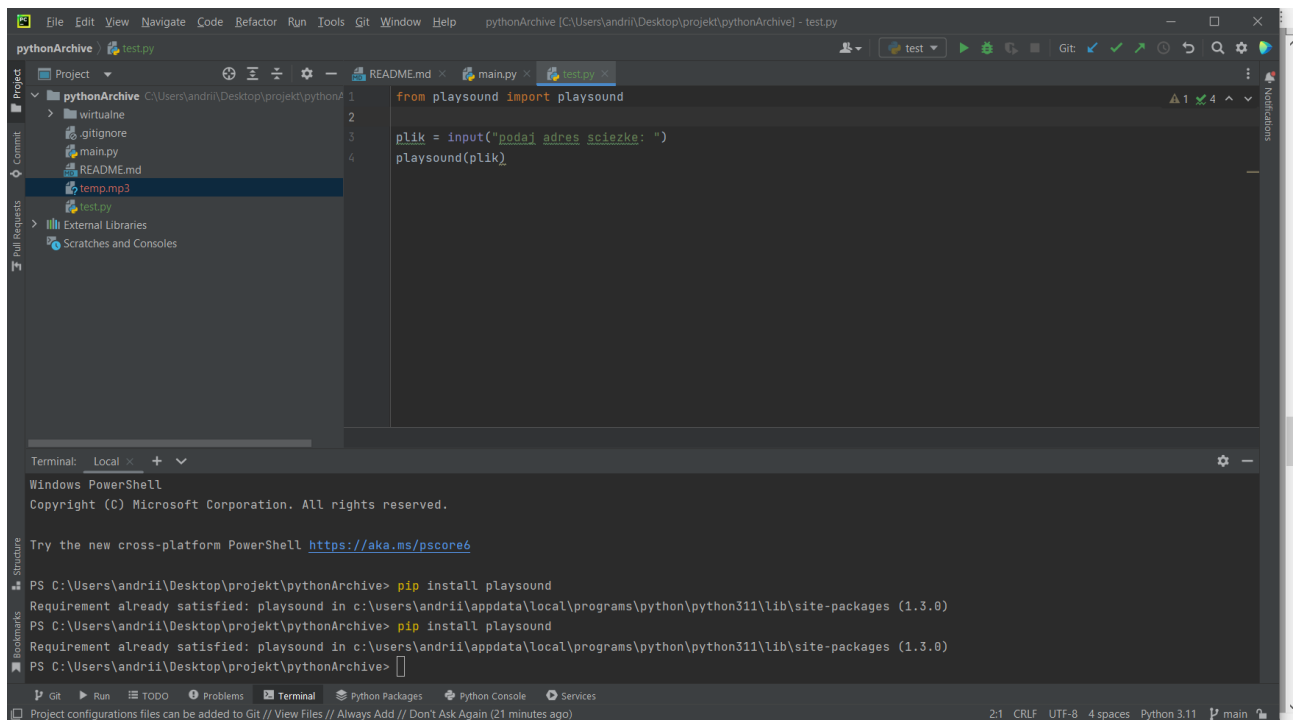
(wirtualne) C:\Users\andrii\Desktop\projekt\pythonArchive>python.exe -m pip install --upgrade pip
```

```
C:\Windows\system32\cmd.exe - python
Requirement already satisfied: pip in c:\users\andrii\desktop\projekt\pythonarchive\wirtualne\lib\site-packages (22.3.1) ^

Collecting pip
  Using cached pip-23.0.1-py3-none-any.whl (2.1 MB)
Installing collected packages: pip
  Attempting uninstall: pip
    Found existing installation: pip 22.3.1
    Uninstalling pip-22.3.1:
      Successfully uninstalled pip-22.3.1
  Successfully installed pip-23.0.1

(wirtualne) C:\Users\andrii\Desktop\projekt\pythonArchive>python
Python 3.11.2 (tags/v3.11.2:878ead1, Feb 7 2023, 16:38:35) [MSC v.1934 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license" for more information.
>>> import vlc
>>> p = vlc.MediaPlayer('file:///temp.mp3')
>>> p.play()
0
>>> p.stop()
>>> exit()
```

## Wersja bez VLC

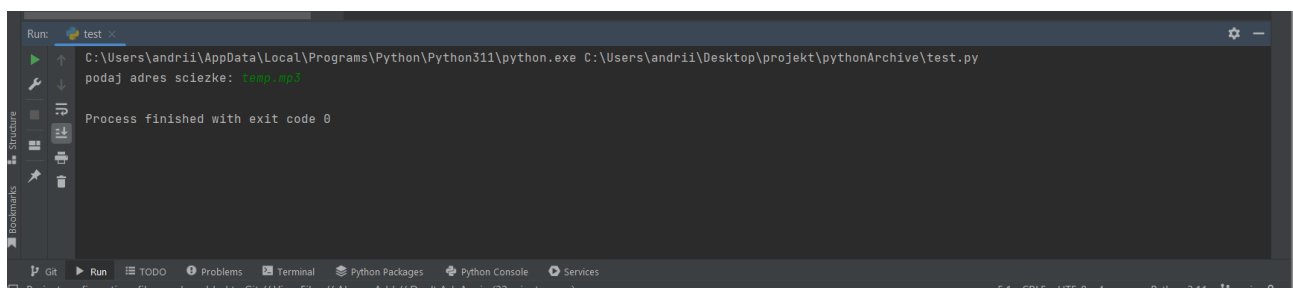


The screenshot shows the VS Code editor with the `test.py` file open. The code in the file is:

```
1 from playsound import playsound
2
3 plik = input("podaj adres sciezke: ")
4 playsound(plik)
```

The terminal at the bottom shows the execution of `pip install playsound` and the output:

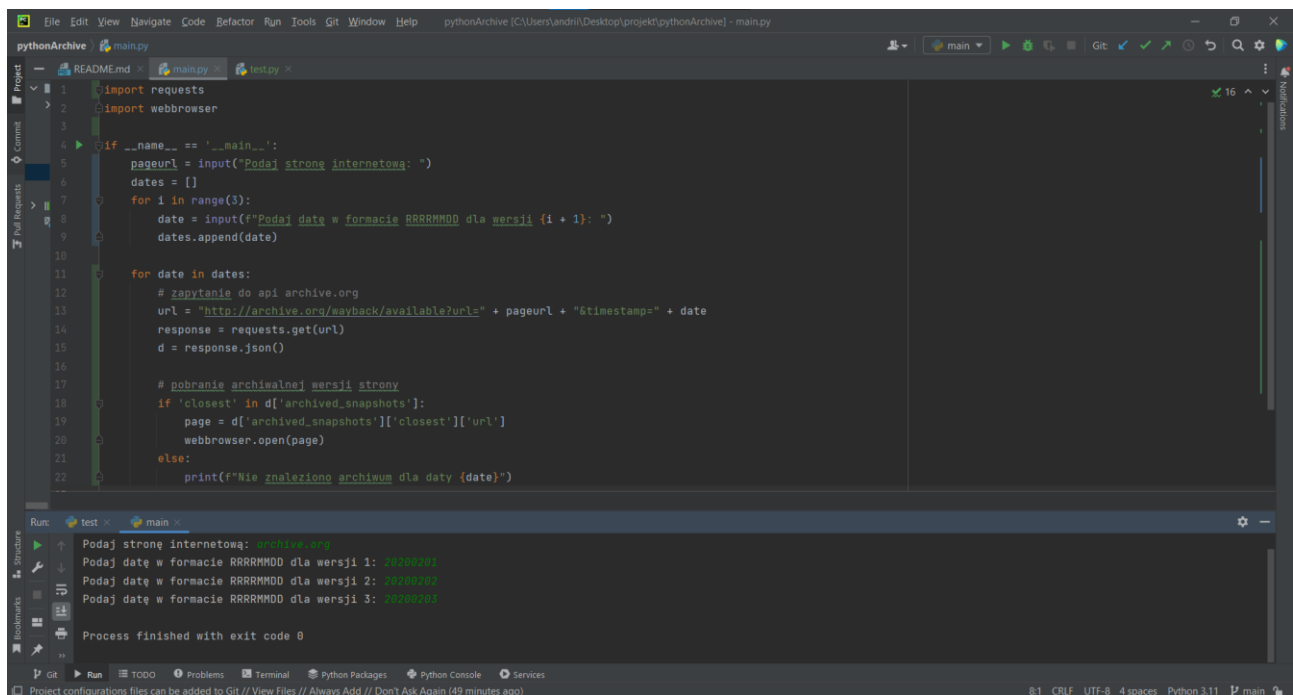
```
PS C:\Users\andrzej\Desktop\projekt\pythonArchive> pip install playsound
Requirement already satisfied: playsound in c:\users\andrzej\appdata\local\programs\python\python311\lib\site-packages (1.3.0)
PS C:\Users\andrzej\Desktop\projekt\pythonArchive> pip install playsound
Requirement already satisfied: playsound in c:\users\andrzej\appdata\local\programs\python\python311\lib\site-packages (1.3.0)
PS C:\Users\andrzej\Desktop\projekt\pythonArchive>
```



The screenshot shows the Run and Debug console with the following output:

```
Run: test
C:\Users\andrzej\AppData\Local\Programs\Python\Python311\python.exe C:\Users\andrzej\Desktop\projekt\pythonArchive\test.py
podaj adres sciezke: temp.mp3
Process finished with exit code 0
```

## Zad 4

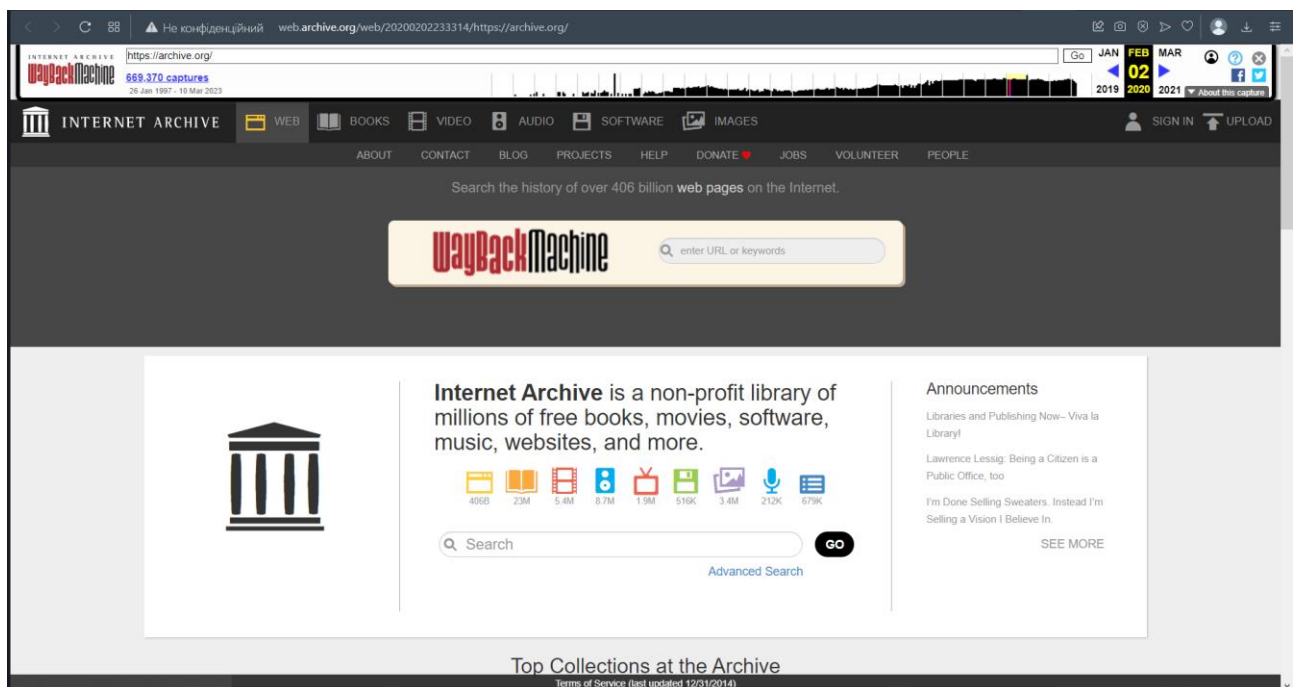
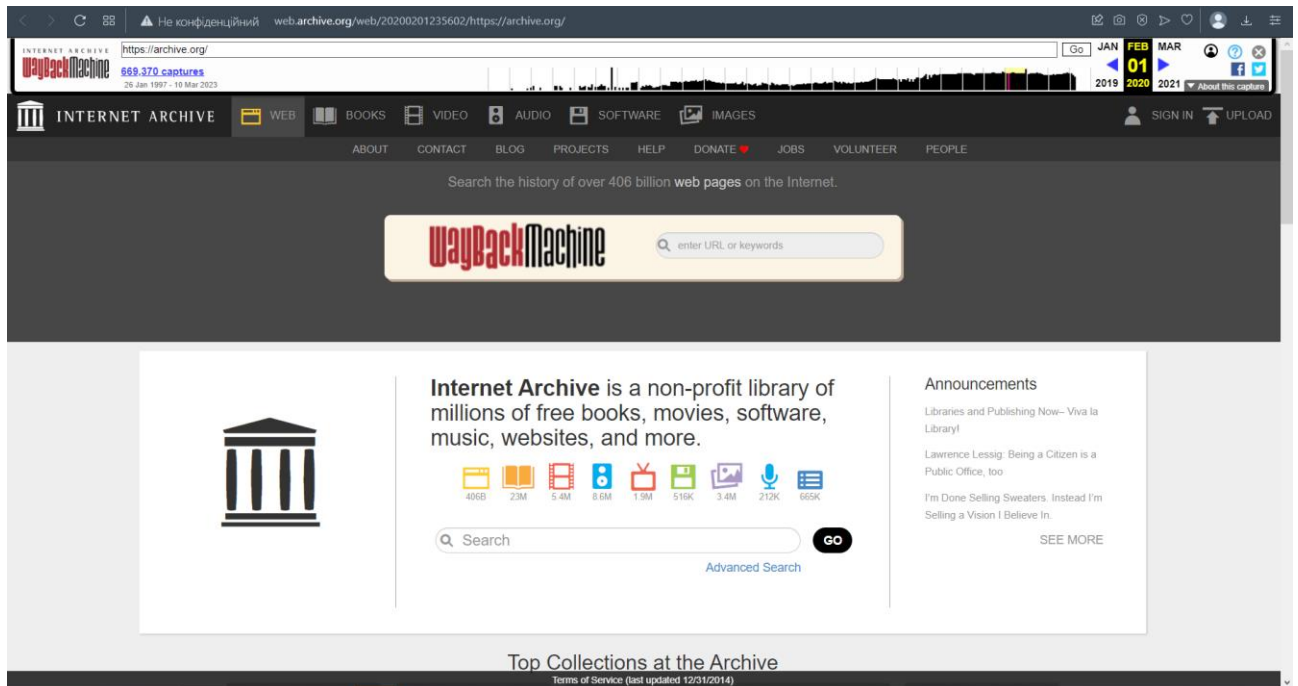


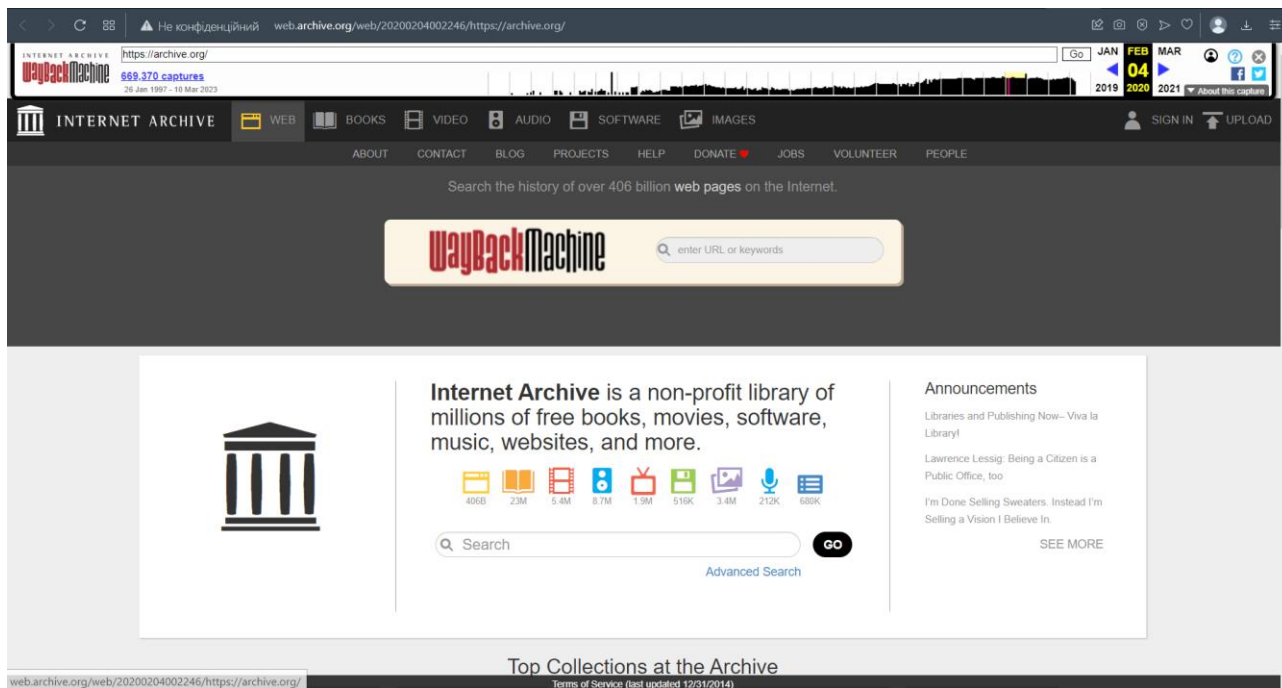
The screenshot shows the VS Code editor with the `main.py` file open. The code in the file is:

```
1 import requests
2 import webbrowser
3
4 if __name__ == '__main__':
5     pageurl = input("Podaj strong internetowa: ")
6     dates = []
7     for i in range(3):
8         date = input(f"Podaj date w formacie RRRRRMMDD dla wersji {i + 1}: ")
9         dates.append(date)
10
11     for date in dates:
12         # zapytanie do api archive.org
13         url = "http://archive.org/wayback/available?url=" + pageurl + "&timestamp=" + date
14         response = requests.get(url)
15         d = response.json()
16
17         # pobranie archiwalnej wersji strony
18         if 'closest' in d['archived_snapshots']:
19             page = d['archived_snapshots']['closest']['url']
20             webbrowser.open(page)
21         else:
22             print(f"Nie znaleziono archiwum dla daty {date}")
```

The terminal at the bottom shows the execution of `main.py` and the output:

```
Run: test
Podaj strong internetowa: https://www.abc.com
Podaj date w formacie RRRRRMMDD dla wersji 1: 20200101
Podaj date w formacie RRRRRMMDD dla wersji 2: 20200102
Podaj date w formacie RRRRRMMDD dla wersji 3: 20200103
Process finished with exit code 0
```





Zad 5

W pytonie kod jest interpretowany bezpośrednio przez interpreter, a w jawie kod jest kompilowany do kodu bajtowego, który jest wykonywany na maszynie wirtualnej. Dlatego w Pytonie mówi się o interpreterze, a w jawie o maszynie wirtualnej.