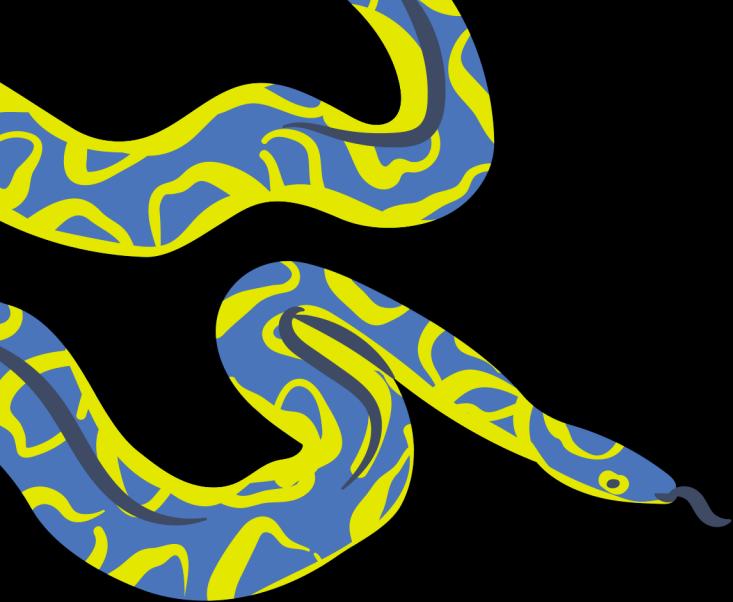




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Python

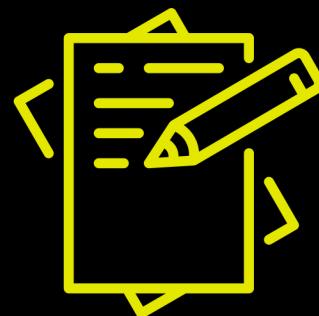
26.03



Organizacja kursu



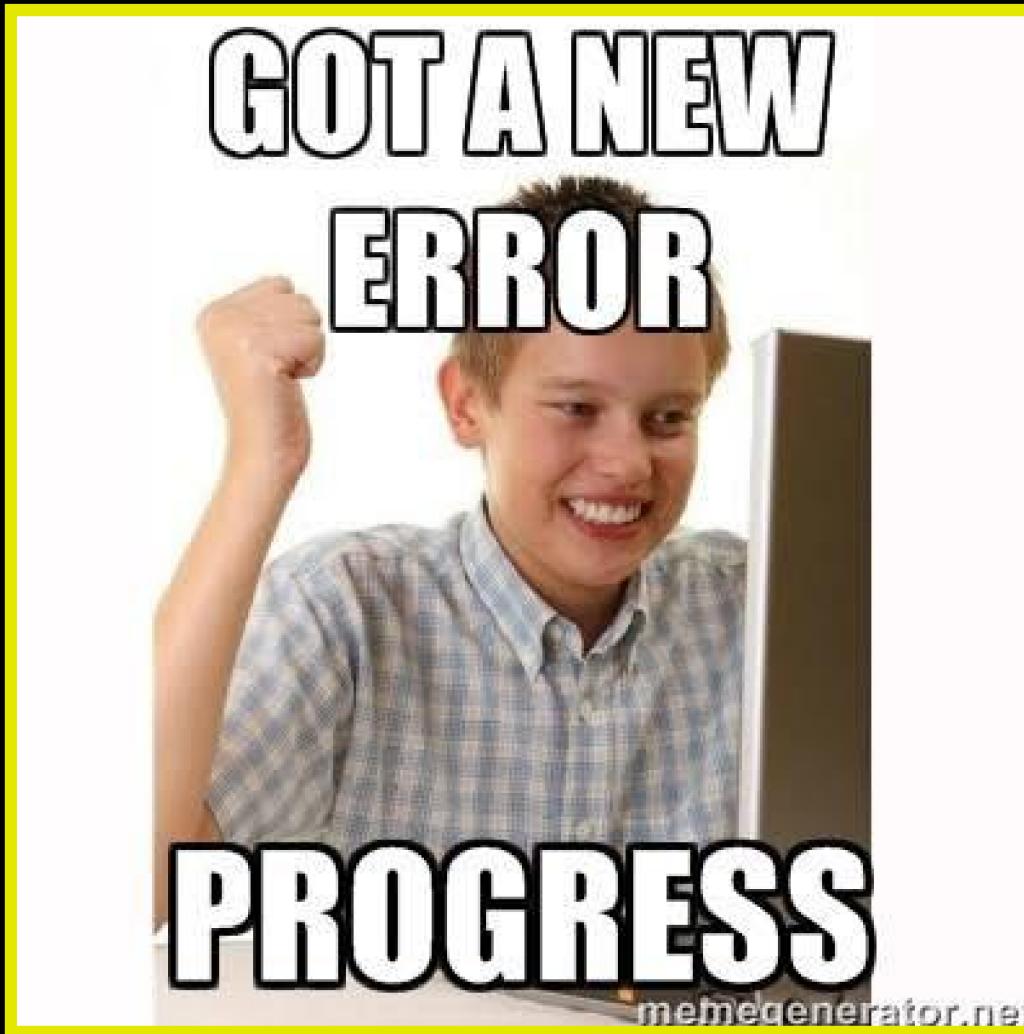
Zadania



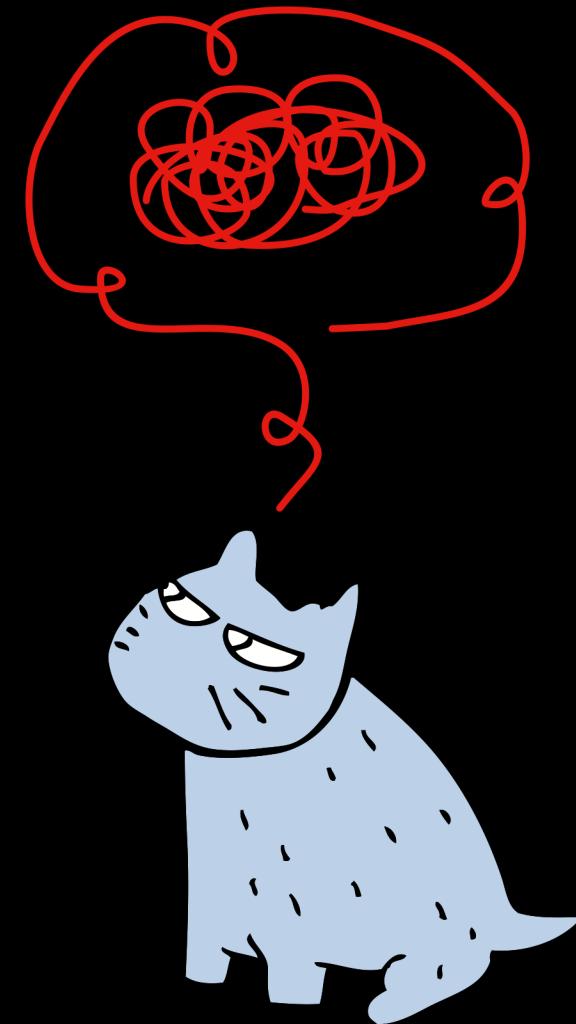
Egzamin



Nagroda



Skryptowe
Kompilowane
Funkcyjne
Obiektowe





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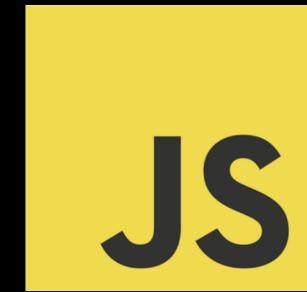
Jezyki



HTML



CSS





```
#include <iostream>

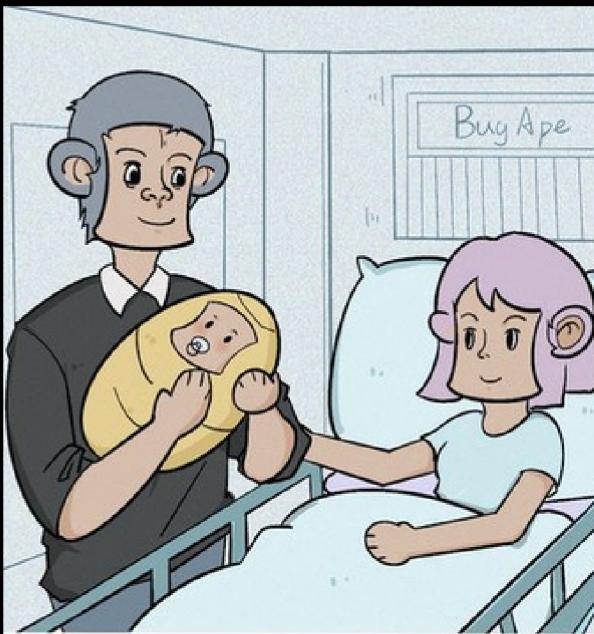
int main() {
    std::cout << "Hello, World!" << std::endl;
    return 0;
}
```

```
print("Hello, World!")
```

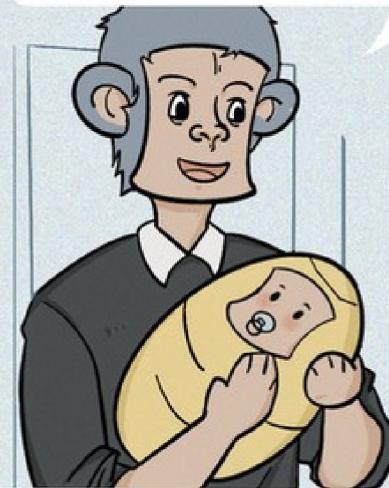
```
class Greeter:
    def __init__(self, name):
        self.name = name

    def greet(self):
        print(f"Hello, {self.name}!")

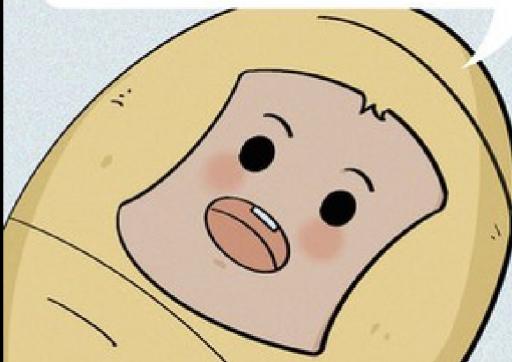
g = Greeter("World")
g.greet()
```



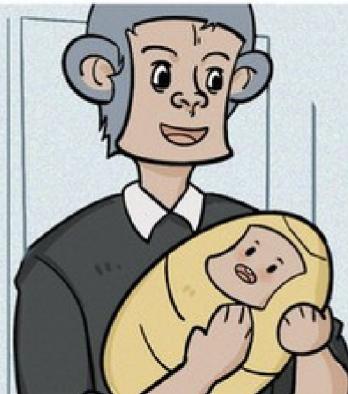
Boy or girl?



Hello,world



programmer it is





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IDE

integrated development environment



ANACONDA®



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Visual Studio Code

The screenshot shows the Visual Studio Code interface with the following details:

- File Explorer:** Shows the file structure. The current file is `test.py`, which contains the following code:

```
for i in range(1, 8):
    result = i + 2
    print(result)
```
- Terminal:** Shows the command-line interface with the following history:

```
PS C:\Studio\Digital Chem\2sem\big_data> & C:/Users/julia/AppData/Local/Programs/Python/Python312/python.exe c:/Users/julia/OneDrive/Pulpit/test.py
3
4
5
6
7
8
9
PS C:\Studio\Digital Chem\2sem\big_data> * Przywrócono historię
PS C:\Studio\Digital Chem\2sem\big_data>
```
- Help Pages:** The Help Pages section is open, showing various help topics and search results.
- Status Bar:** Shows the status of the workspace (not attached), file size (Wiersz 5, kolumna 1), encoding (UTF-8), line endings (CRLF), Python version (MagicPython 3.12.1 64-bit), and other settings like Go Live and Environment.



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The screenshot shows the PyCharm IDE interface. The top bar displays the project name "SBH" and the file "main.py". The left sidebar shows the "Project" view with a folder structure: "SBH" containing "SciByteHub" (with "main.py") and "External Libraries". Below the project tree are "Scratches and Consoles" and an ellipsis (...). The main editor window is titled "main.py" and contains the following Python code:

```
1 # This is a sample Python script.
2
3 # Press Shift+F10 to execute it or replace it with your code.
4 # Press Double Shift to search everywhere for classes, files, tool windows, actions, and settings.
5
6 def print_hi(name):
7     # Use a breakpoint in the code line below to debug your script.
8     print(f'Hi, {name}') # Press Ctrl+F8 to toggle the breakpoint.
9
10
11 # Press the green button in the gutter to run the script.
12 if __name__ == '__main__':
13     print_hi('PyCharm')
14
15 # See PyCharm help at https://www.jetbrains.com/help/pycharm/
16
```

Below the editor is a terminal window titled "Terminal" with the tab "Local" selected. It shows the command prompt: "martap22@sergeys-8250M-03H:/users2/martap22/SBH/SciByteHub/Strona_kota/koło_naukowe\$". The bottom status bar indicates "Indexing..." and shows system information: 15:62, LF, UTF-8, 4 spaces, Python 3.8.



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https://jupyter.org/try-jupyter/notebooks/?path=Untitled.ipynb

jupyterlite Untitled Last Checkpoint: 5 minutes ago

File Edit View Run Kernel Settings Help PY Trusted JupyterLab Python (Pyodide)

Całkiem fajny napis

Jeszcze lepszy napis

```
*[4]: print('Świetnie się bawimy!')
```

```
Świetnie się bawimy
```

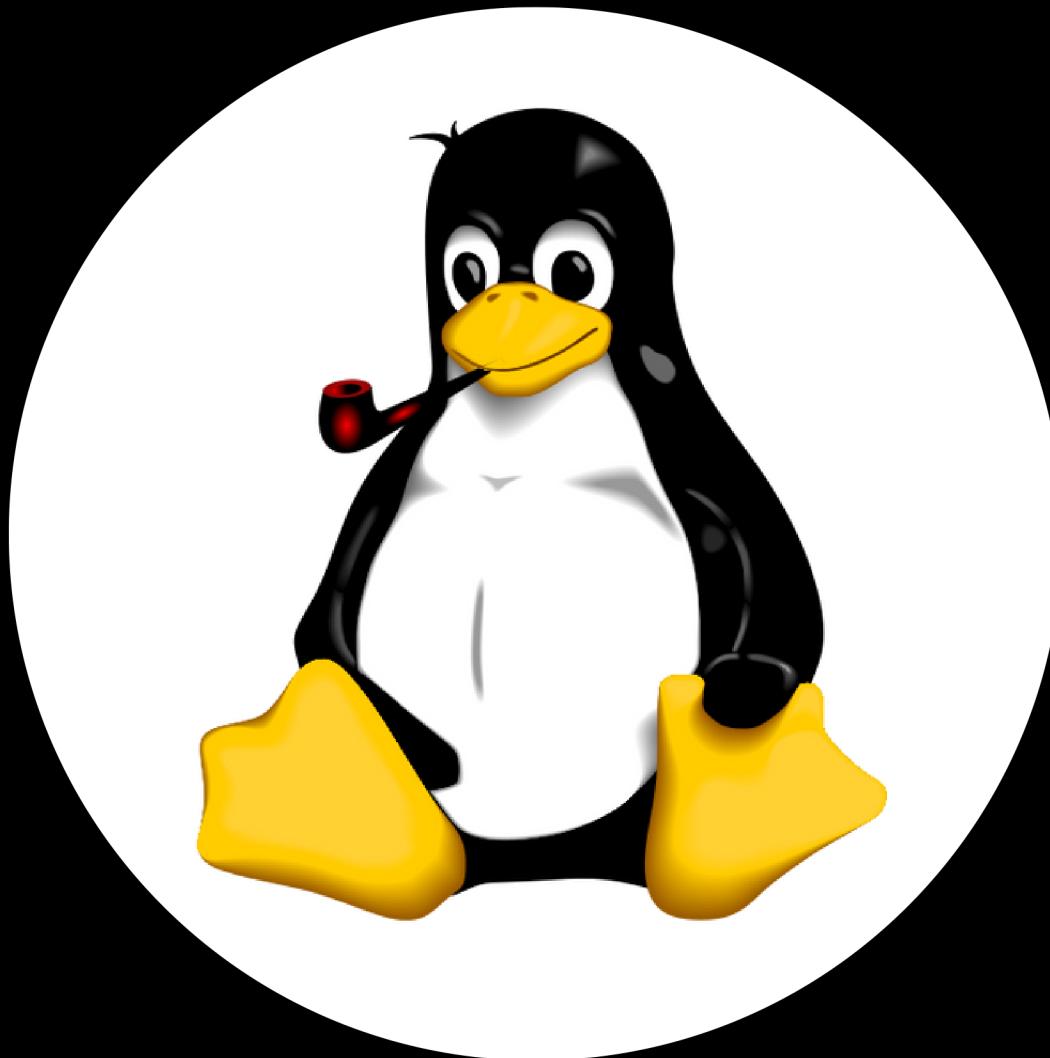
```
Jakiś napis
```

```
[ ]:
```



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Linux jest super



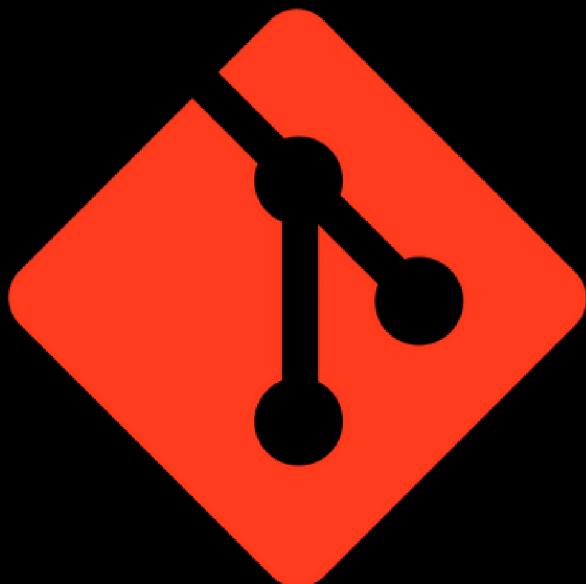
Komendy

pwd	wyświetla bieżący katalog roboczy
ls	wyświetla zawartość katalogu
cd	zmienia bieżący katalog roboczy
mkdir	tworzy nowy katalog
rm -r	usuwa katalog razem z zawartością
touch	tworzy nowy pusty plik
rm	usuwa pliki
cp	kopiuje pliki
mv	przenosi lub zmienia nazwę
cat	wyświetla zawartość pliku
echo	wyświetla linię tekstu
grep	wyszukuje wzorce w tekście
man	wyświetla podręcznik użytkownika dla danej komendy



SciByteHub

Systemy kontroli wersji



git

Komendy

git init

inicjalizuje nowe repo

git clone

kopiuje istniejące repo

git pull

pobiera zmiany

git push

wysyła zmiany

git add nazwa

dodaje plik

git commit -a

zatwierdza wszystkie zmiany

git commit -m "msg"

zatwierdza zmiany z wiadomością bez edytora

git status

wyświetla stan repo

git remote add nazwa url

dodaje nowe repo

<https://github.com/SciByteHub/Python-Kurs-ST-24>



Algorytmika





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