	PRZEDMIOT:	PRZEDMIOT WYBIERALNY XIV: NARZĘDZIA INFORMATYCZNE W PRAKTYCE INŻYNIERSKIEJ		
	KIERUNEK STUDIÓW:	INFORMATYKA	ROK STUDIÓW:	IV
	ROK AKADEMISKI:	2020/2021	SEMESTR:	7
	TEMAT:	Lab 4 - zastosowane poleceń GIT		
IMIE:	**Dawid**	DATA WYKONANIA ĆWICZENIA:		2023-10-25
NAZWISKO:	**Jura**	DATA ODDANIA SPRAWOZDANIA:		2023-11-06
OCENA:	DATA:	UWAGI		

1 Zadanie 4 z zajęć laboratoryjnych

1.1 GIT CONFIG

git config –list

1.2 GIT INIT

git init

1.3 GIT STATUS

git status

```
PS C:\Users\dawid\OneDrive - The Opole University of Technology\STUDIA\Czwarty Rok\Narzedzia - Latex\LAB4> git status
On branch main

No commits yet

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        image/
        lab.aux
        lab.fdb_latexmk
        lab.fls
        lab.log
        lab.pdf
        lab.synctex.gz
        lab.tex

nothing added to commit but untracked files present (use "git add" to track)
PS C:\Users\dawid\OneDrive - The Opole University of Technology\STUDIA\Czwarty Rok\Narzedzia - Latex\LAB4>
```

1.4 GIT ADD

git add -A

```
PS C:\Users\dawid\OneDrive - The Opole University of Technology\STUDIA\Czwarty Rok\Narzedzia - Latex\LAB4> git add -A
warning: in the working copy of 'lab.aux', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'lab.log', LF will be replaced by CRLF the next time Git touches it
PS C:\Users\dawid\OneDrive - The Opole University of Technology\STUDIA\Czwarty Rok\Narzedzia - Latex\LAB4>
```

1.5 GIT COMMIT

git commit -m "first files"

```
PS C:\Users\dawid\OneDrive - The Opole University of Technology\STUDIA\Czwarty Rok\Narzedzia - Latex\LAB4> git commit -m "first files"
[main (root-commit) 95fe4fe] first files
 7 files changed, 88 insertions(+)
 create mode 100644 image/ModLogoPO.jpg
 create mode 100644 image/ModLogoWE.jpg
 create mode 100644 image/config.png
 create mode 100644 image/init.png
 create mode 100644 image/logotyp-politechnika-opolska-01.jpg
 create mode 100644 image/status.png
 create mode 100644 lab.tex
```

1.6 GIT DIFF

git diff

```
PS C:\Users\dawid\OneDrive - The Opole University of Technology\STUDIA\Czwarty Rok\Narzedzia - Latex\LAB4> git diff
diff --git a/lab.tex b/lab.tex
index 6b58c16..f3fbd47 100644
--- a/lab.tex
+++ b/lab.tex
@@ -76,13 +76,17 @@

 \includegraphics[width=18cm]{image/init.png}
 \subsection{GIT STATUS}
+\forceindent git status

 \includegraphics[width=18cm]{image/status.png}
-\forceindent git status
-\subsection{Podsumowanie}
-\forceindent
+\subsection{GIT ADD}
+\forceindent git add -A
+
+\includegraphics[width=18cm]{image/add.png}
+\subsection{GIT COMMIT}
+\forceindent git commit -m "first files"
:...skipping...
diff --git a/lab.tex b/lab.tex
index 6b58c16..f3fbd47 100644
--- a/lab.tex
+++ b/lab.tex
@@ -76,13 +76,17 @@

 \includegraphics[width=18cm]{image/init.png}
 \subsection{GIT STATUS}
+\forceindent git status
```

1.7 GIT BRANCH

git branch

```
PS C:\Users\dawid\OneDrive - The Opole University of Technology\STUDIA\Czwarty Rok\Narzedzia - Latex\LAB4> git branch newBranch
PS C:\Users\dawid\OneDrive - The Opole University of Technology\STUDIA\Czwarty Rok\Narzedzia - Latex\LAB4> git branch -a
* main
  newBranch
PS C:\Users\dawid\OneDrive - The Opole University of Technology\STUDIA\Czwarty Rok\Narzedzia - Latex\LAB4>
```

1.8 GIT CHECKOUT

git checkout

```
PS C:\Users\dawid\OneDrive - The Opole University of Technology\STUDIA\Czwarty Rok\Narzedzia - Latex\LAB4> git checkout newBranch
Switched to branch 'newBranch'
M       lab.tex
PS C:\Users\dawid\OneDrive - The Opole University of Technology\STUDIA\Czwarty Rok\Narzedzia - Latex\LAB4> git branch -a
  main
* newBranch
PS C:\Users\dawid\OneDrive - The Opole University of Technology\STUDIA\Czwarty Rok\Narzedzia - Latex\LAB4>
```

1.9 GIT MERGE

git merge

```
PS C:\Users\dawid\OneDrive - The Opole University of Technology\STUDIA\Czwarty Rok\Narzedzia - Latex\LAB4> git merge newBranch
Merge made by the 'ort' strategy.
 index.html | 11 +++++++++++
 1 file changed, 11 insertions(+)
 create mode 100644 index.html
PS C:\Users\dawid\OneDrive - The Opole University of Technology\STUDIA\Czwarty Rok\Narzedzia - Latex\LAB4>
```

1.10 GIT RESTORE

git restore -> przywracanie zawartości plików w katalogu roboczym do ich stanu z ostatniego zatwierdzonego commita

```
PS C:\Users\dawid\OneDrive - The Opole University of Technology\STUDIA\Czwarty Rok\Narzedzia - Latex\LAB4> git restore ./lab.tex
PS C:\Users\dawid\OneDrive - The Opole University of Technology\STUDIA\Czwarty Rok\Narzedzia - Latex\LAB4>
```

1.11 GIT RM

git rm

```
PS C:\Users\dawid\OneDrive - The Opole University of Technology\STUDIA\Czwarty Rok\Narzedzia - Latex\LAB4> git rm index.html
rm 'index.html'
PS C:\Users\dawid\OneDrive - The Opole University of Technology\STUDIA\Czwarty Rok\Narzedzia - Latex\LAB4>
```

1.12 GIT MV

git mv

```
PS C:\Users\dawid\OneDrive - The Opole University of Technology\STUDIA\Czwarty Rok\Narzedzia - Latex\LAB4> git mv old.txt new.txt
PS C:\Users\dawid\OneDrive - The Opole University of Technology\STUDIA\Czwarty Rok\Narzedzia - Latex\LAB4>
```

1.13 GIT LOG

git log

```
PS C:\Users\dawid\OneDrive - The Opole University of Technology\STUDIA\Czwarty Rok\Narzedzia - Latex\LAB4> git log
commit 126c8307976d5f743dffc006b97d2fcc973e53dd (HEAD -> main, origin/main)
Author: Dawid Jura <dawidjura12@gmail.com>
Date:   Sat Nov 4 13:15:26 2023 +0100

    new files


commit f7e8f738c366a08565a7430e6ae798dc94d07ab1
Author: Dawid Jura <dawidjura12@gmail.com>
Date:   Sat Nov 4 13:14:25 2023 +0100

    new files


commit 7f61087642819a3383eec6c599897898740977bd
Author: Dawid Jura <dawidjura12@gmail.com>
Date:   Sat Nov 4 13:05:52 2023 +0100

    rest of the files
:...skipping...
commit 126c8307976d5f743dffc006b97d2fcc973e53dd (HEAD -> main, origin/main)
Author: Dawid Jura <dawidjura12@gmail.com>
Date:   Sat Nov 4 13:15:26 2023 +0100

    new files
```

1.14   GIT REFLOG

git reflog

```
PS C:\Users\dawid\OneDrive - The Opole University of Technology\STUDIA\Czwarty Rok\Narzedzia - Latex\LAB4> git reflog
126c830 (HEAD -> main, origin/main) HEAD@{0}: commit: new files
f7e8f73 HEAD@{1}: commit: new files
7f61087 HEAD@{2}: commit: rest of the files
48f197c HEAD@{3}: merge newBranch: Merge made by the 'ort' strategy.
a163491 HEAD@{4}: checkout: moving from newBranch to main
2d497cd (origin/newBranch, newBranch) HEAD@{5}: commit: html test
95fe4fe HEAD@{6}: checkout: moving from main to newBranch
a163491 HEAD@{7}: commit: images
95fe4fe HEAD@{8}: checkout: moving from newBranch to main
95fe4fe HEAD@{9}: checkout: moving from main to newBranch
95fe4fe HEAD@{10}: checkout: moving from newBranch to main
95fe4fe HEAD@{11}: checkout: moving from main to newBranch
95fe4fe HEAD@{12}: commit (initial): first files
PS C:\Users\dawid\OneDrive - The Opole University of Technology\STUDIA\Czwarty Rok\Narzedzia - Latex\LAB4>
```

1.15   GIT BLAME

git blame

```
PS C:\Users\dawid\OneDrive - The Opole University of Technology\STUDIA\Czwarty Rok\Narzedzia - Latex\LAB4> git blame lab.tex
^95fe4fe (Dawid Jura      2023-10-25 10:19:06 +0200    1) % szablon sprawozdania z dnia 2020-10-27
^95fe4fe (Dawid Jura      2023-10-25 10:19:06 +0200    2) \documentclass{article} % mwart , article
^95fe4fe (Dawid Jura      2023-10-25 10:19:06 +0200    3) \usepackage[polish]{babel}
^95fe4fe (Dawid Jura      2023-10-25 10:19:06 +0200    4) \usepackage[utf8]{inputenc}
^95fe4fe (Dawid Jura      2023-10-25 10:19:06 +0200    5) \usepackage{polski}
^95fe4fe (Dawid Jura      2023-10-25 10:19:06 +0200    6) \usepackage[T1]{fontenc}
^95fe4fe (Dawid Jura      2023-10-25 10:19:06 +0200    7) \frenchspacing
^95fe4fe (Dawid Jura      2023-10-25 10:19:06 +0200    8) \usepackage{indentfirst}
^95fe4fe (Dawid Jura      2023-10-25 10:19:06 +0200    9) % PAKIETY DO MODYFIKACJI SRONY
^95fe4fe (Dawid Jura      2023-10-25 10:19:06 +0200   10) \usepackage{geometry}
^95fe4fe (Dawid Jura      2023-10-25 10:19:06 +0200   11) \geometry{
^95fe4fe (Dawid Jura      2023-10-25 10:19:06 +0200   12)      total={170mm,250mm},
:...skipping...
^95fe4fe (Dawid Jura      2023-10-25 10:19:06 +0200    1) % szablon sprawozdania z dnia 2020-10-27
^95fe4fe (Dawid Jura      2023-10-25 10:19:06 +0200    2) \documentclass{article} % mwart , article
^95fe4fe (Dawid Jura      2023-10-25 10:19:06 +0200    3) \usepackage[polish]{babel}
^95fe4fe (Dawid Jura      2023-10-25 10:19:06 +0200    4) \usepackage[utf8]{inputenc}
^95fe4fe (Dawid Jura      2023-10-25 10:19:06 +0200    5) \usepackage{polski}
^95fe4fe (Dawid Jura      2023-10-25 10:19:06 +0200    6) \usepackage[T1]{fontenc}
^95fe4fe (Dawid Jura      2023-10-25 10:19:06 +0200    7) \frenchspacing
^95fe4fe (Dawid Jura      2023-10-25 10:19:06 +0200    8) \usepackage{indentfirst}
```

1.16   GIT TAG

git tag

```
PS C:\Users\dawid\OneDrive - The Opole University of Technology\STUDIA\Czwarty Rok\Narzedzia - Latex\LAB4> git tag -a lab.tex -m "Opis tagu"
PS C:\Users\dawid\OneDrive - The Opole University of Technology\STUDIA\Czwarty Rok\Narzedzia - Latex\LAB4> git tag
lab.tex
PS C:\Users\dawid\OneDrive - The Opole University of Technology\STUDIA\Czwarty Rok\Narzedzia - Latex\LAB4>
```