

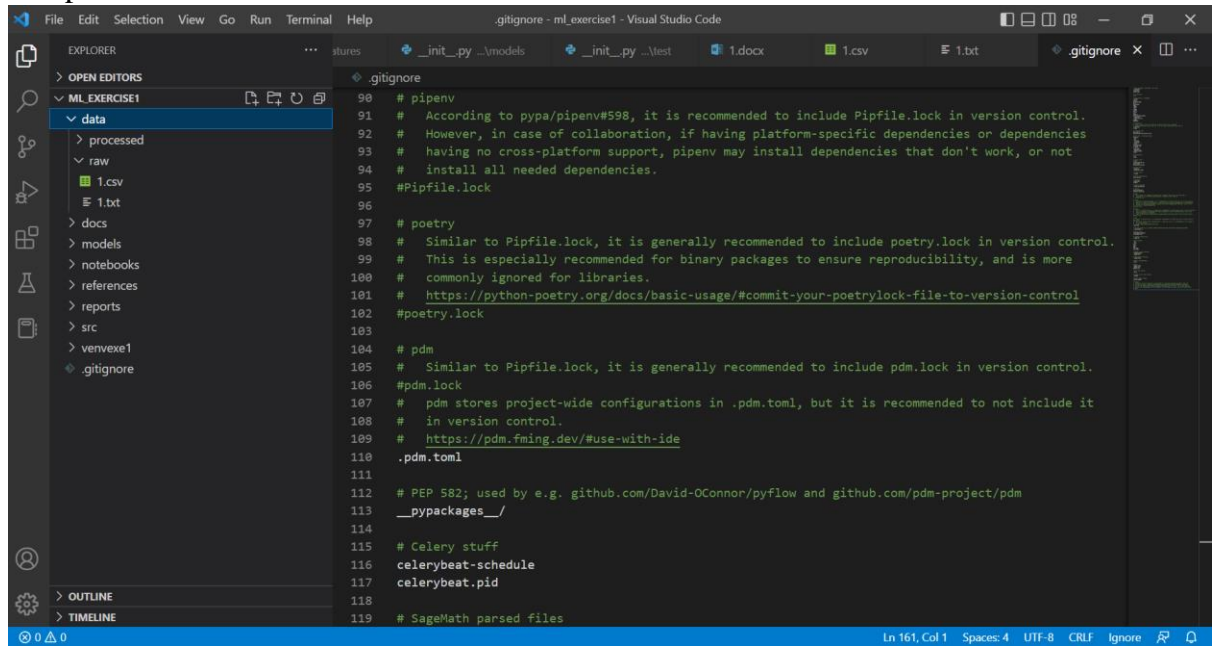
Nama : Leonard Simorangkir  
Username : leonard-Bo3p  
Tugas : Exercise 1  
Kelas : Machine Learning Process - I

1. Given dataset, determine the type of ML!
2. Setup your local environment, activate and update your pip!
3. Setup folder structure and exclude your venv folder
4. Create repository account
5. Create local repository, add readme.md with body of your name and what your project name.
6. Create file with extension pdf that proofing you're already doing poin 2-5
7. Commit and pust it to online repository
8. You can give your repository link to Teaching Assistant

1. Type of ML dataset : smoke\_detection\_iot.csv → Supervised - Classification
2. Setup local environment, activate, and update pip

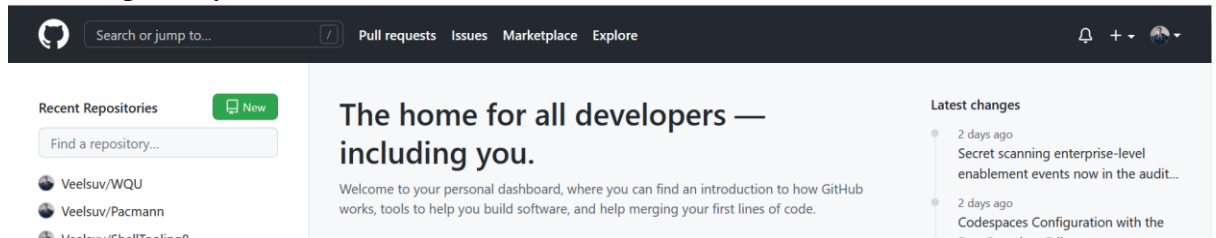
```
Select veelsuv@DESKTOP-7M2GQ92: /mnt/d/ml_exercise1
veelsuv@DESKTOP-7M2GQ92:/mnt/d$ mkdir ml_exercise1
veelsuv@DESKTOP-7M2GQ92:/mnt/d$ cd ml_exercise1
veelsuv@DESKTOP-7M2GQ92:/mnt/d/ml_exercise1$ python3 -m venv venvexe1
veelsuv@DESKTOP-7M2GQ92:/mnt/d/ml_exercise1$ ls
venvexe1
veelsuv@DESKTOP-7M2GQ92:/mnt/d/ml_exercise1$ source venv/bin/activate
-bash: venv/bin/activate: No such file or directory
veelsuv@DESKTOP-7M2GQ92:/mnt/d/ml_exercise1$ source venvexe1/bin/activate
(venvexe1) veelsuv@DESKTOP-7M2GQ92:/mnt/d/ml_exercise1$ pip list
Package          Version
-----
pip              20.0.2
pkg-resources    0.0.0
setuptools       44.0.0
(venvexe1) veelsuv@DESKTOP-7M2GQ92:/mnt/d/ml_exercise1$ pip install --upgrade pip
Collecting pip
  Using cached pip-22.3-py3-none-any.whl (2.1 MB)
Installing collected packages: pip
  Attempting uninstall: pip
    Found existing installation: pip 20.0.2
    Uninstalling pip-20.0.2:
      Successfully uninstalled pip-20.0.2
Successfully installed pip-22.3
(venvexe1) veelsuv@DESKTOP-7M2GQ92:/mnt/d/ml_exercise1$ pip list
Package          Version
-----
pip              22.3
pkg_resources    0.0.0
setuptools       44.0.0
(venvexe1) veelsuv@DESKTOP-7M2GQ92:/mnt/d/ml_exercise1$
```

### 3. Setup folder structure exclude venv folder



```
.gitignore
90 # pipenv
91 # According to pypa/pipenv#598, it is recommended to include Pipfile.lock in version control.
92 # However, in case of collaboration, if having platform-specific dependencies or dependencies
93 # having no cross-platform support, pipenv may install dependencies that don't work, or not
94 # install all needed dependencies.
95 #Pipfile.lock
96
97 # poetry
98 # Similar to Pipfile.lock, it is generally recommended to include poetry.lock in version control.
99 # This is especially recommended for binary packages to ensure reproducibility, and is more
100 # commonly ignored for libraries.
101 # https://python-poetry.org/docs/basic-usage/#commit-your-poetrylock-file-to-version-control
102 #poetry.lock
103
104 # pdm
105 # Similar to Pipfile.lock, it is generally recommended to include pdm.lock in version control.
106 #pdm.lock
107 # pdm stores project-wide configurations in .pdm.toml, but it is recommended to not include it
108 # in version control.
109 # https://pdm.fming.dev/#use-with-ide
110 .pdm.toml
111
112 # PEP 582; used by e.g. github.com/David-OConnor/pyflow and github.com/pdm-project/pdm
113 __pypackages__
114
115 # Celery stuff
116 celerybeat-schedule
117 celerybeat.pid
118
119 # SageMath parsed files
```

### 4. Create repository account



5. Create repository, add readme.md with body of your name and what your project name

← → ↻ https://github.com/new

**Repository template**  
Start your repository with a template repository's contents.

No template ▾

---

**Owner \*** **Repository name \***

Veelsuv ▾ / mlprocess\_exe1 ✓

Great repository names are short and memorable. Need inspiration? How about [bug-free-umbrella?](#)

**Description (optional)**

---

☒ **Public**  
Anyone on the internet can see this repository. You choose who can commit.


☐ **Private**  
You choose who can see and commit to this repository.

---

**Initialize this repository with:**  
Skip this step if you're importing an existing repository.

☒ **Add a README file**  
This is where you can write a long description for your project. [Learn more.](#)

---

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main ▾ 1 branch 0 tags Go to file Add file ▾ Code ▾

**Veelsuv Initial commit** 6add76a now 1 commit


README.md Initial commit now


README.md


mlprocess\_exe1


**About** 

No description, website, or topics provided.

 Readme

 0 stars

 1 watching

 0 forks

**Releases**

No releases published  
[Create a new release](#)

**Packages**

6. Create file with extension pdf that proofing you're already doing poin 2-5

## 7. Commit and push it to online repository

```
veelsuv@DESKTOP-7M2GQ92: /mnt/d/ml_exercise1
veelsuv@DESKTOP-7M2GQ92:/mnt/d/ml_exercise1$ git --version
git version 2.25.1
veelsuv@DESKTOP-7M2GQ92:/mnt/d/ml_exercise1$ git init
Reinitialized existing Git repository in /mnt/d/ml_exercise1/.git/
veelsuv@DESKTOP-7M2GQ92:/mnt/d/ml_exercise1$ git status
On branch master

No commits yet

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        .gitignore
        data/
        docs/
        models/
        notebooks/
        references/
        reports/
        src/

nothing added to commit but untracked files present (use "git add" to track)
veelsuv@DESKTOP-7M2GQ92:/mnt/d/ml_exercise1$ git add .
veelsuv@DESKTOP-7M2GQ92:/mnt/d/ml_exercise1$ git status
On branch master

No commits yet

Changes to be committed:
  (use "git rm --cached <file>..." to unstage)
        new file:   .gitignore
        new file:   data/processed/1.xlsx
        new file:   data/raw/1.csv
        new file:   data/raw/1.txt
        new file:   docs/1.docx
        new file:   models/__init__.py
        new file:   notebooks/1.ipynb
        new file:   notebooks/2.ipynb
        new file:   notebooks/3.ipynb
        new file:   references/1.html
        new file:   reports/1.pdf
        new file:   reports/figures/1.jpeg
        new file:   src/features/__init__.py
        new file:   src/models/__init__.py
        new file:   src/test/__init__.py

veelsuv@DESKTOP-7M2GQ92:/mnt/d/ml_exercise1$ git commit -m "Initial commit"

*** Please tell me who you are.

Run

  git config --global user.email "you@example.com"
  git config --global user.name "Your Name"

to set your account's default identity.
Omit --global to set the identity only in this repository.

fatal: empty ident name (for <veelsuv@DESKTOP-7M2GQ92.localdomain>) not allowed
veelsuv@DESKTOP-7M2GQ92:/mnt/d/ml_exercise1$ git config user.email "leonard.simorangkir@gmail.com"
veelsuv@DESKTOP-7M2GQ92:/mnt/d/ml_exercise1$ git config user.name "Veelsuv"
veelsuv@DESKTOP-7M2GQ92:/mnt/d/ml_exercise1$ git commit -m "Initial commit"
[master (root-commit) 7031ee1] Initial commit
18 files changed, 162 insertions(+)
create mode 100644 .gitignore
create mode 100644 data/processed/1.xlsx
create mode 100644 data/raw/1.csv
create mode 100644 data/raw/1.txt
create mode 100644 docs/1.docx
create mode 100644 models/__init__.py
create mode 100644 notebooks/1.ipynb
create mode 100644 notebooks/2.ipynb
create mode 100644 notebooks/3.ipynb
create mode 100644 references/1.html
create mode 100644 reports/1.pdf
create mode 100644 reports/figures/1.jpeg
create mode 100644 reports/figures/2.jpeg
create mode 100644 src/api/__init__.py
create mode 100644 src/data/__init__.py
create mode 100644 src/features/__init__.py
create mode 100644 src/models/__init__.py
create mode 100644 src/test/__init__.py
veelsuv@DESKTOP-7M2GQ92:/mnt/d/ml_exercise1$

veelsuv@DESKTOP-7M2GQ92:/mnt/d/ml_exercise1$ git status
On branch master
nothing to commit, working tree clean
veelsuv@DESKTOP-7M2GQ92:/mnt/d/ml_exercise1$ git remote add origin git@github.com:Veelsuv/mlprocess_exe1.git
veelsuv@DESKTOP-7M2GQ92:/mnt/d/ml_exercise1$ git branch -M main
veelsuv@DESKTOP-7M2GQ92:/mnt/d/ml_exercise1$ git push -u origin main
git@github.com: Permission denied (publickey).
fatal: Could not read from remote repository.

Please make sure you have the correct access rights
and the repository exists.
veelsuv@DESKTOP-7M2GQ92:/mnt/d/ml_exercise1$ git remote set-url origin https://github.com/Veelsuv/mlprocess_exe1.git
veelsuv@DESKTOP-7M2GQ92:/mnt/d/ml_exercise1$ git push -u origin main
Username for 'https://github.com': Veelsuv
Password for 'https://Veelsuv@github.com':
To https://github.com/Veelsuv/mlprocess_exe1.git
```

```
Username for 'https://github.com': veelsuv
Password for 'https://veelsuv@github.com':
Enumerating objects: 15, done.
Counting objects: 100% (15/15), done.
Delta compression using up to 8 threads
Compressing objects: 100% (9/9), done.
Writing objects: 100% (14/14), 2.53 KiB | 71.00 KiB/s, done.
Total 14 (delta 0), reused 0 (delta 0)
To https://github.com/Veelsuv/mlprocess_exe1.git
```

main 1 branch 0 tags

Go to file Add file Code

About

Veelsuv Initial commit 162236f 5 minutes ago 2 commits

data	Initial commit	5 minutes ago
docs	Initial commit	5 minutes ago
models	Initial commit	5 minutes ago
notebooks	Initial commit	5 minutes ago
references	Initial commit	5 minutes ago
reports	Initial commit	5 minutes ago
src	Initial commit	5 minutes ago
.gitignore	Initial commit	5 minutes ago
README.md	Initial commit	2 hours ago

README.md

mlprocess\_exe1

No description, website, or topics provided.

Readme 0 stars 1 watching 0 forks

ReleasesNo releases publishedCreate a new release

PackagesNo packages publishedPublish your first package

8. You can give your repository link to Teaching Assistant

\*\*\*End\*\*