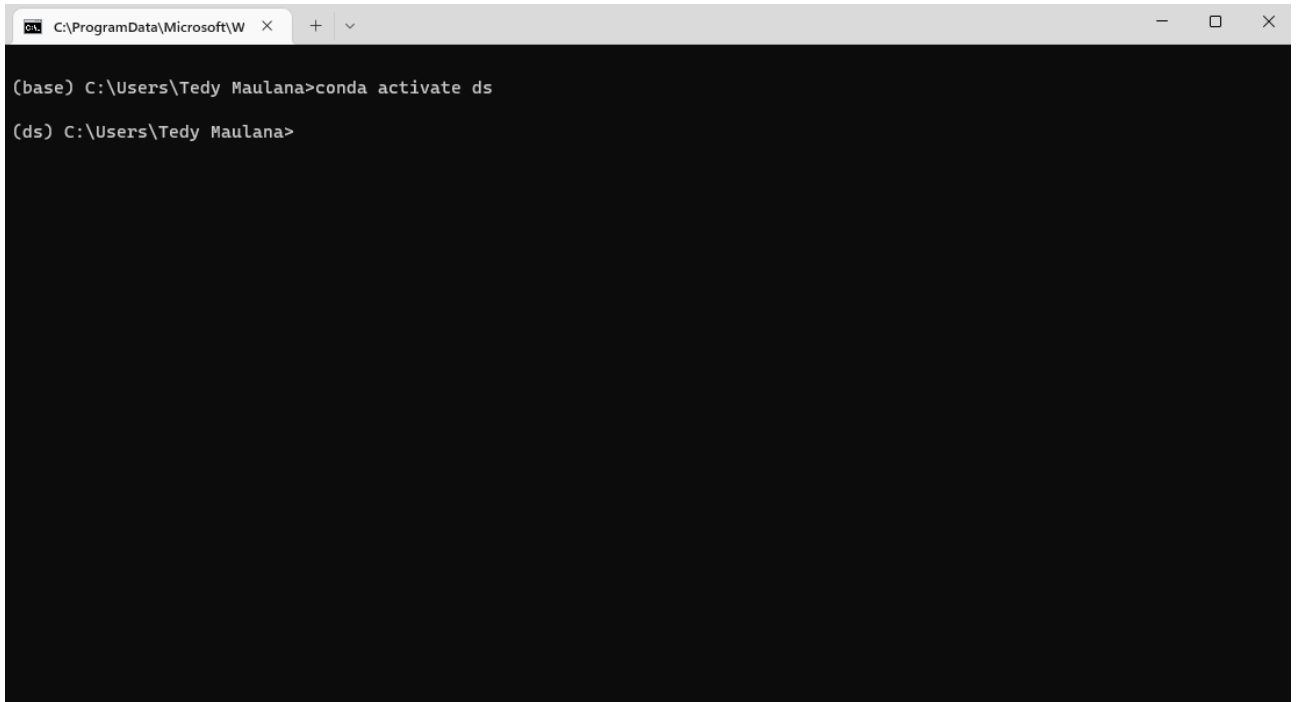


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Tedy Maulana
Kelas : Cosmic

1. Mengaktifkan environment ds

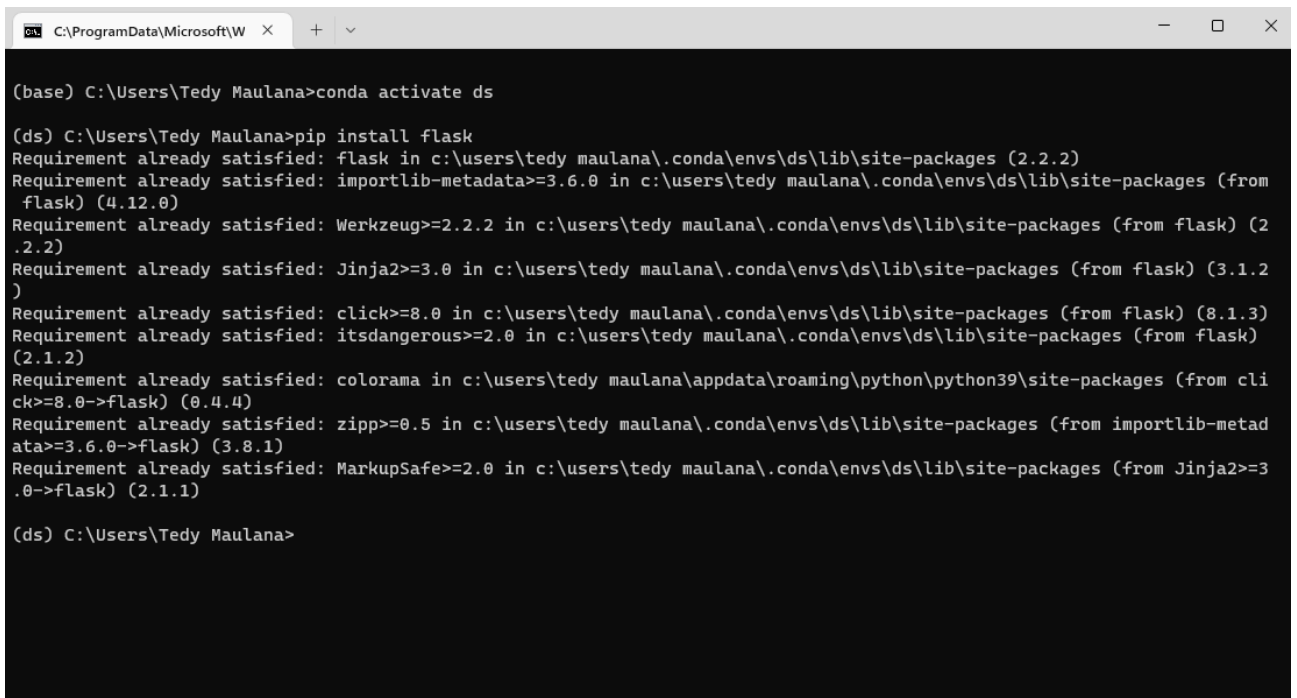


```
C:\ProgramData\Microsoft\W x + v

(base) C:\Users\Tedy Maulana>conda activate ds

(ds) C:\Users\Tedy Maulana>
```

2. Mengecek flask yang sudah terinstal



```
C:\ProgramData\Microsoft\W x + v

(base) C:\Users\Tedy Maulana>conda activate ds

(ds) C:\Users\Tedy Maulana>pip install flask
Requirement already satisfied: flask in c:\users\tedy maulana\.conda\envs\ds\lib\site-packages (2.2.2)
Requirement already satisfied: importlib-metadata>=3.6.0 in c:\users\tedy maulana\.conda\envs\ds\lib\site-packages (from flask) (4.12.0)
Requirement already satisfied: Werkzeug>=2.2.2 in c:\users\tedy maulana\.conda\envs\ds\lib\site-packages (from flask) (2.2.2)
Requirement already satisfied: Jinja2>=3.0 in c:\users\tedy maulana\.conda\envs\ds\lib\site-packages (from flask) (3.1.2)
Requirement already satisfied: click>=8.0 in c:\users\tedy maulana\.conda\envs\ds\lib\site-packages (from flask) (8.1.3)
Requirement already satisfied: itsdangerous>=2.0 in c:\users\tedy maulana\.conda\envs\ds\lib\site-packages (from flask) (2.1.2)
Requirement already satisfied: colorama in c:\users\tedy maulana\appdata\roaming\python\python39\site-packages (from click>=8.0->flask) (0.4.4)
Requirement already satisfied: zipp>=0.5 in c:\users\tedy maulana\.conda\envs\ds\lib\site-packages (from importlib-metadata>=3.6.0->flask) (3.8.1)
Requirement already satisfied: MarkupSafe>=2.0 in c:\users\tedy maulana\.conda\envs\ds\lib\site-packages (from Jinja2>=3.0->flask) (2.1.1)

(ds) C:\Users\Tedy Maulana>
```

3. Masuk ke folder project yang sudah dibuat

```
C:\ProgramData\Microsoft\W x + v

(base) C:\Users\Tedy Maulana>conda activate ds

(ds) C:\Users\Tedy Maulana>pip install flask
Requirement already satisfied: flask in c:\users\tedy maulana\.conda\envs\ds\lib\site-packages (2.2.2)
Requirement already satisfied: importlib-metadata>=3.6.0 in c:\users\tedy maulana\.conda\envs\ds\lib\site-packages (from flask) (4.12.0)
Requirement already satisfied: Werkzeug>=2.2.2 in c:\users\tedy maulana\.conda\envs\ds\lib\site-packages (from flask) (2.2.2)
Requirement already satisfied: Jinja2>=3.0 in c:\users\tedy maulana\.conda\envs\ds\lib\site-packages (from flask) (3.1.2)
Requirement already satisfied: click>=8.0 in c:\users\tedy maulana\.conda\envs\ds\lib\site-packages (from flask) (8.1.3)
Requirement already satisfied: itsdangerous>=2.0 in c:\users\tedy maulana\.conda\envs\ds\lib\site-packages (from flask) (2.1.2)
Requirement already satisfied: colorama in c:\users\tedy maulana\appdata\roaming\python\python39\site-packages (from click>=8.0->flask) (0.4.4)
Requirement already satisfied: zipp>=0.5 in c:\users\tedy maulana\.conda\envs\ds\lib\site-packages (from importlib-metadata>=3.6.0->flask) (3.8.1)
Requirement already satisfied: MarkupSafe>=2.0 in c:\users\tedy maulana\.conda\envs\ds\lib\site-packages (from Jinja2>=3.0->flask) (2.1.1)

(ds) C:\Users\Tedy Maulana>cd C:\Users\Tedy Maulana\OneDrive\Documents\MSIB ORBIT AI 4 JOBS\prediksi-karyawan-resign
(ds) C:\Users\Tedy Maulana\OneDrive\Documents\MSIB ORBIT AI 4 JOBS\prediksi-karyawan-resign>
```

4. Mengecek scikit-learn yang sudah terinstal

```
C:\ProgramData\Microsoft\W x + v

Requirement already satisfied: importlib-metadata>=3.6.0 in c:\users\tedy maulana\.conda\envs\ds\lib\site-packages (from flask) (4.12.0)
Requirement already satisfied: Werkzeug>=2.2.2 in c:\users\tedy maulana\.conda\envs\ds\lib\site-packages (from flask) (2.2.2)
Requirement already satisfied: Jinja2>=3.0 in c:\users\tedy maulana\.conda\envs\ds\lib\site-packages (from flask) (3.1.2)
Requirement already satisfied: click>=8.0 in c:\users\tedy maulana\.conda\envs\ds\lib\site-packages (from flask) (8.1.3)
Requirement already satisfied: itsdangerous>=2.0 in c:\users\tedy maulana\.conda\envs\ds\lib\site-packages (from flask) (2.1.2)
Requirement already satisfied: colorama in c:\users\tedy maulana\appdata\roaming\python\python39\site-packages (from click>=8.0->flask) (0.4.4)
Requirement already satisfied: zipp>=0.5 in c:\users\tedy maulana\.conda\envs\ds\lib\site-packages (from importlib-metadata>=3.6.0->flask) (3.8.1)
Requirement already satisfied: MarkupSafe>=2.0 in c:\users\tedy maulana\.conda\envs\ds\lib\site-packages (from Jinja2>=3.0->flask) (2.1.1)

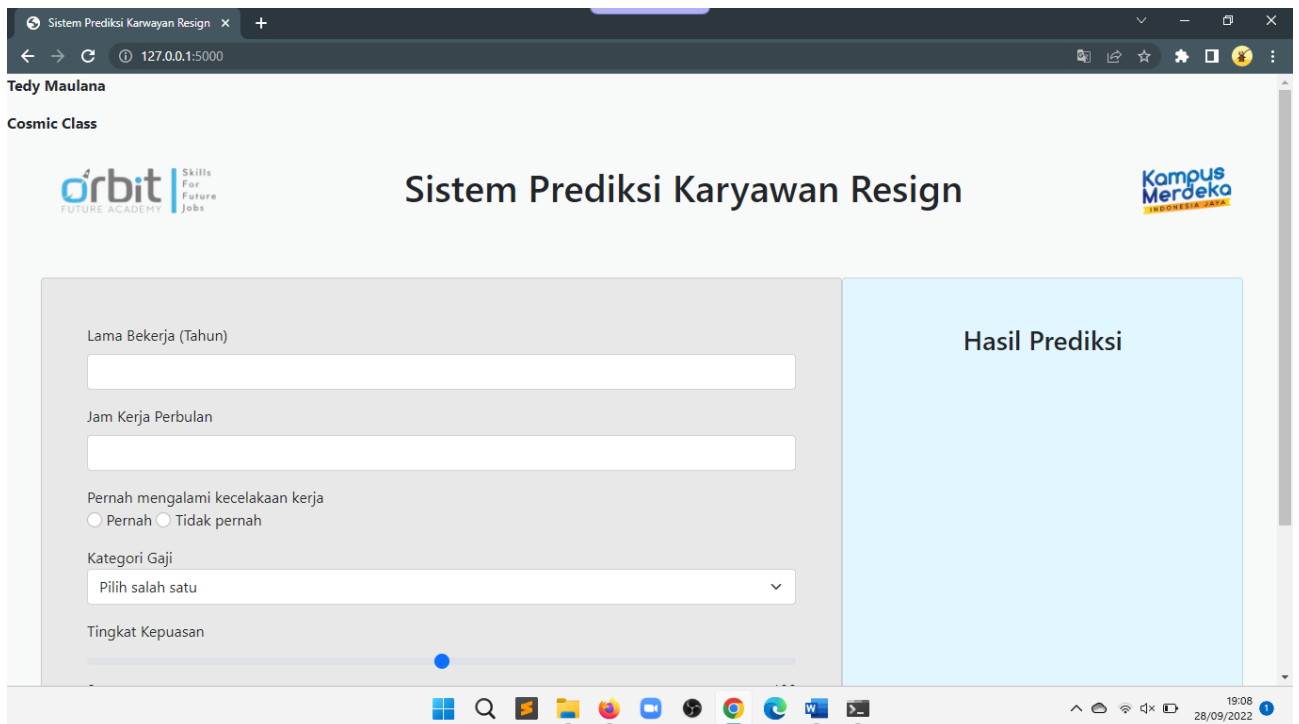
(ds) C:\Users\Tedy Maulana>cd C:\Users\Tedy Maulana\OneDrive\Documents\MSIB ORBIT AI 4 JOBS\prediksi-karyawan-resign
(ds) C:\Users\Tedy Maulana\OneDrive\Documents\MSIB ORBIT AI 4 JOBS\prediksi-karyawan-resign>pip install scikit-learn
Requirement already satisfied: scikit-learn in c:\users\tedy maulana\.conda\envs\ds\lib\site-packages (1.1.2)
Requirement already satisfied: threadpoolctl>=2.0.0 in c:\users\tedy maulana\.conda\envs\ds\lib\site-packages (from scikit-learn) (3.1.0)
Requirement already satisfied: scipy>=1.3.2 in c:\users\tedy maulana\.conda\envs\ds\lib\site-packages (from scikit-learn) (1.9.1)
Requirement already satisfied: joblib>=1.0.0 in c:\users\tedy maulana\.conda\envs\ds\lib\site-packages (from scikit-learn) (1.2.0)
Requirement already satisfied: numpy>=1.17.3 in c:\users\tedy maulana\.conda\envs\ds\lib\site-packages (from scikit-learn) (1.23.3)
```

5. Jalankan flask run

```
C:\ProgramData\Microsoft\W x + v
Requirement already satisfied: scikit-learn in c:\users\tedy maulana\.conda\envs\ds\lib\site-packages (1.1.2)
Requirement already satisfied: threadpoolctl>=2.0.0 in c:\users\tedy maulana\.conda\envs\ds\lib\site-packages (from scikit-learn) (3.1.0)
Requirement already satisfied: scipy>=1.3.2 in c:\users\tedy maulana\.conda\envs\ds\lib\site-packages (from scikit-learn) (1.9.1)
Requirement already satisfied: joblib>=1.0.0 in c:\users\tedy maulana\.conda\envs\ds\lib\site-packages (from scikit-learn) (1.2.0)
Requirement already satisfied: numpy>=1.17.3 in c:\users\tedy maulana\.conda\envs\ds\lib\site-packages (from scikit-learn) (1.23.3)

(ds) C:\Users\Tedy Maulana\OneDrive\Documents\MSIB ORBIT AI 4 JOBS\prediksi-karyawan-resign>flask run
C:\Users\Tedy Maulana\.conda\envs\ds\lib\site-packages\sklearn\base.py:329: UserWarning: Trying to unpickle estimator DecisionTreeClassifier from version 1.0.2 when using version 1.1.2. This might lead to breaking code or invalid results. Use at your own risk. For more info please refer to:
https://scikit-learn.org/stable/model_persistence.html#security-maintainability-limitations
warnings.warn(
C:\Users\Tedy Maulana\.conda\envs\ds\lib\site-packages\sklearn\base.py:329: UserWarning: Trying to unpickle estimator StandardScaler from version 1.0.2 when using version 1.1.2. This might lead to breaking code or invalid results. Use at your own risk. For more info please refer to:
https://scikit-learn.org/stable/model_persistence.html#security-maintainability-limitations
warnings.warn(
* Debug mode: off
WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.
* Running on http://127.0.0.1:5000
Press CTRL+C to quit
127.0.0.1 - - [28/Sep/2022 19:04:36] "GET / HTTP/1.1" 200 -
127.0.0.1 - - [28/Sep/2022 19:04:37] "GET /static/images/orbit.png HTTP/1.1" 200 -
127.0.0.1 - - [28/Sep/2022 19:04:37] "GET /static/images/kampus-merdeka.png HTTP/1.1" 200 -
127.0.0.1 - - [28/Sep/2022 19:04:40] "GET /favicon.ico HTTP/1.1" 404 -
```

6. Jalankan <http://127.0.0.1:5000> di browser, dan hasilnya akan muncul seperti berikut



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7. Mencoba memprediksi dengan data berikut yang saya masukan

8. Akan menghasilkan prediksi **99% Tidak Resign**