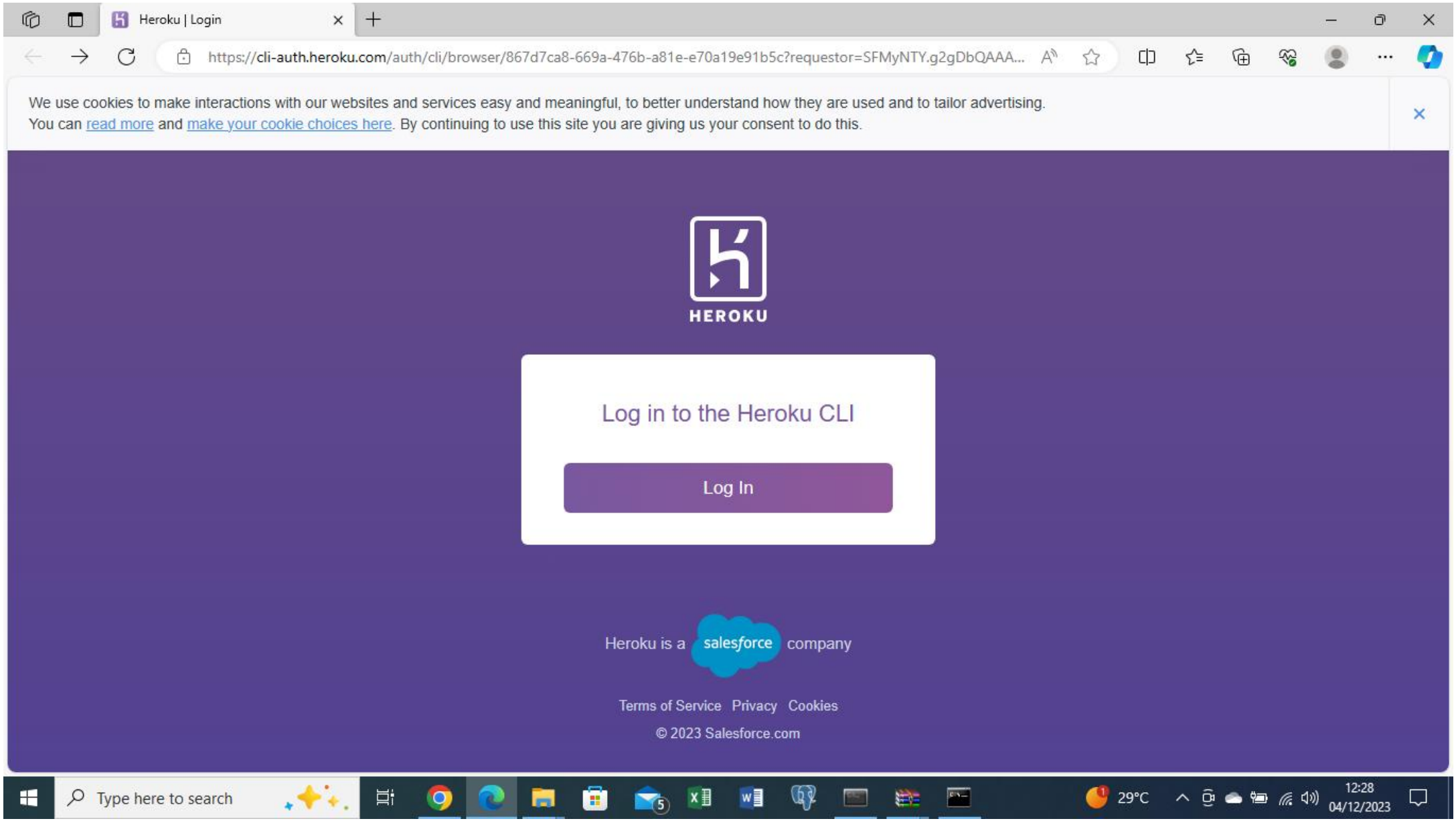

Heroku | Login
https://cli-auth.heroku.com/auth/cli/browser/867d7ca8-669a-476b-a81e-e70a19e91b5c?requestor=SFMyNTY.g2gDbQAAA...
We use cookies to make interactions with our websites and services easy and meaningful, to better understand how they are used and to tailor advertising.
You can read more and make your cookie choices here. By continuing to use this site you are giving us your consent to do this.
HEROKU
Log in to the Heroku CLI
Log In
Heroku is a salesforce company
Terms of Service Privacy Cookies
© 2023 Salesforce.com
Type here to search
29°C
12:28
04/12/2023

Week4 | Flask In | Housing | ChatGP | The He | Home P | Untitled | Untitled | housing | 127.0.0.

localhost:8888/notebooks/Untitled1.ipynb?kernel_name=python3

Relaunch to update

jupyter Untitled1 Last Checkpoint: 3 hours ago (autosaved)

Logout

File Edit View Insert Cell Kernel Widgets Help

Trusted | Python 3 (ipykernel)

Run | Code

In [6]:

```
# train_model.py
import pandas as pd
from sklearn.model_selection import train_test_split
from sklearn.ensemble import RandomForestRegressor
from sklearn.compose import ColumnTransformer
from sklearn.preprocessing import OneHotEncoder
from joblib import dump

# Load the housing price dataset
dataset_path = r'C:\Users\Admin\Downloads\housing_price_dataset.csv'
df = pd.read_csv(dataset_path)

# Assume 'SquareFeet', 'Bedrooms', 'Bathrooms', 'Neighborhood', 'YearBuilt' are the input features,
# and 'Price' is the target variable
X = df[['SquareFeet', 'Bedrooms', 'Bathrooms', 'Neighborhood', 'YearBuilt']]
y = df['Price']

# Identify categorical columns
categorical_columns = ['Neighborhood']

# Create a column transformer with one-hot encoding for categorical columns
preprocessor = ColumnTransformer(
    transformers=[
        ('cat', OneHotEncoder(), categorical_columns)
    ],
    remainder='passthrough'
)
```

Type here to search

29°C

12:29
04/12/2023

Week4: | Flask In | Housing | ChatGP | The He | Home P | Untitled | Untitled | housing | 127.0.0.

localhost:8888/notebooks/Untitled1.ipynb?kernel_name=python3

Relaunch to update

jupyter Untitled1 Last Checkpoint: 3 hours ago (autosaved)

Logout

File Edit View Insert Cell Kernel Widgets Help

Trusted | Python 3 (ipykernel)

Run | Code

```
    transformers=[
        ('cat', OneHotEncoder(), categorical_columns)
    ],
    remainder='passthrough'
)

# Split the dataset into training and testing sets
X_train, X_test, y_train, y_test = train_test_split(X, y, test_size=0.2, random_state=42)

# Apply one-hot encoding to the categorical features
X_train = preprocessor.fit_transform(X_train)
X_test = preprocessor.transform(X_test)

# Create and train a simple RandomForestRegressor as an example
model = RandomForestRegressor()
model.fit(X_train, y_train)

# Save the trained model to a file
dump(model, 'model.pkl')
```

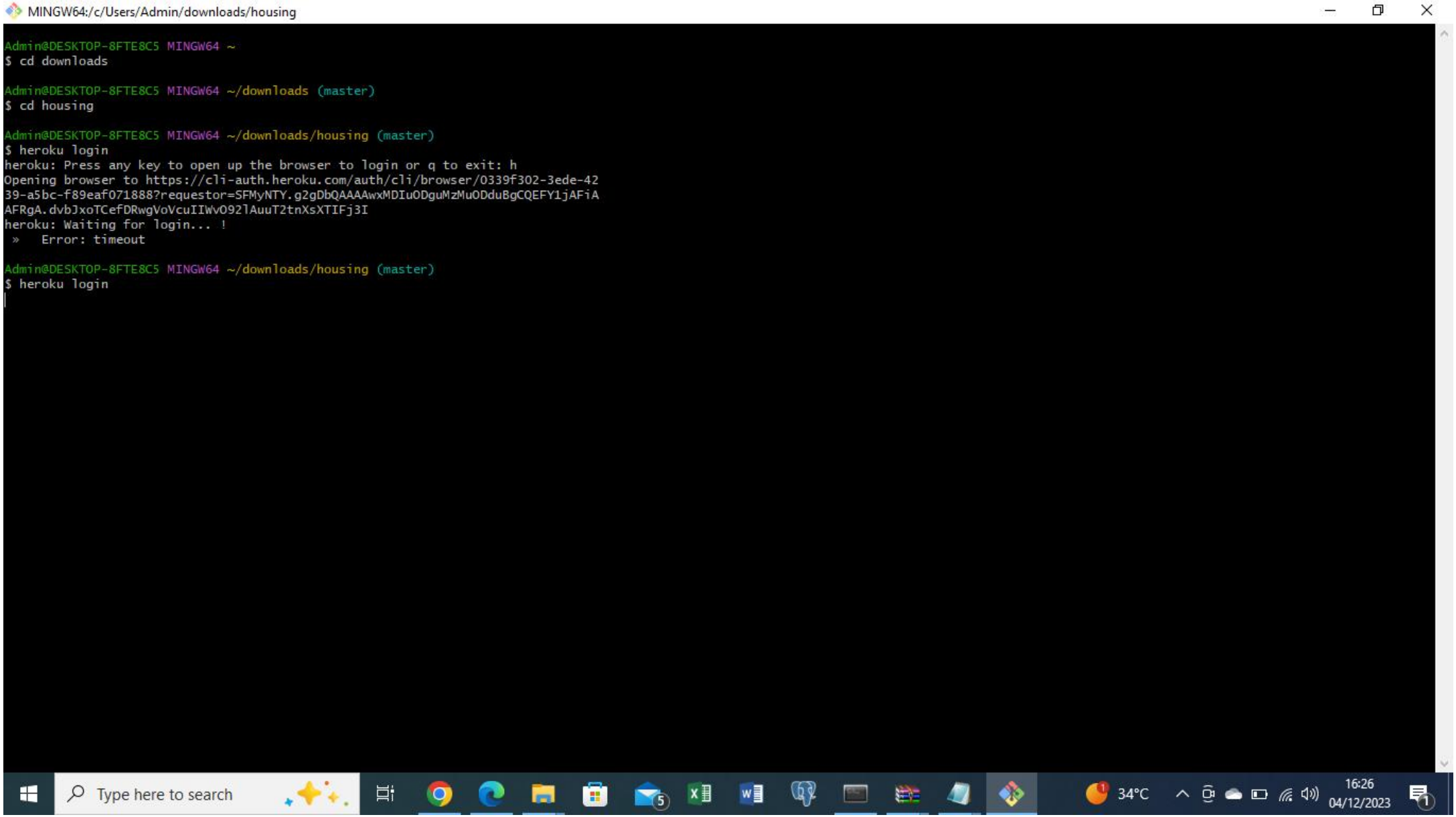
Out[6]:
```
['model.pkl']
```

In [7]:
```
Flask==2.0.1
scikit-learn==0.24.2
joblib==1.0.1
pandas==1.3.3
gunicorn==20.1.0
```

Type here to search

29°C

12:29
04/12/2023


MINGW64:/c/Users/Admin/downloads/housing
Admin@DESKTOP-8FTE8C5 MINGW64 ~
$ cd downloads
Admin@DESKTOP-8FTE8C5 MINGW64 ~/downloads (master)
$ cd housing
Admin@DESKTOP-8FTE8C5 MINGW64 ~/downloads/housing (master)
$ heroku login
heroku: Press any key to open up the browser to login or q to exit: h
Opening browser to https://cli-auth.heroku.com/auth/cli/browser/0339f302-3ede-42
39-a5bc-f89eaf071888?requestor=SFMyNTY.g2gDbQAAAAwxMDIuODguMzMuODduBgCQEFY1jAFiA
AFRgA.dvbJxoTCefDRwgVoVcuIIWvO92lAuuT2tnXsXTIFj3I
heroku: Waiting for login... !
» Error: timeout
Admin@DESKTOP-8FTE8C5 MINGW64 ~/downloads/housing (master)
$ heroku login
Type here to search
34°C
16:26
04/12/2023