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Batch code -LISUM32.

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Submitted to – Data Glacier

Save the model.

```
Out[26]: ['house_price_model.pkl']
```

Setup the Flask app

```
* Serving Flask app '__main__'  
* Debug mode: on  
_____ \
```

The packages are installed.

```
Requirement already satisfied: ipykernel in ./anaconda3/lib/python3.11/site-packages (6.29.4)
Requirement already satisfied: jupyter_client in ./anaconda3/lib/python3.11/site-packages (8.6.1)
Requirement already satisfied: appnope in ./anaconda3/lib/python3.11/site-packages (from ipykernel) (0.1.2)
Requirement already satisfied: comm>=0.1.1 in ./anaconda3/lib/python3.11/site-packages (from ipykernel) (0.1.2)
Requirement already satisfied: debugpy>=1.6.5 in ./anaconda3/lib/python3.11/site-packages (from ipykernel) (1.6.7)
Requirement already satisfied: ipython>=7.23.1 in ./anaconda3/lib/python3.11/site-packages (from ipykernel) (8.12.0)
Requirement already satisfied: jupyter-core!=5.0.*,>=4.12 in ./anaconda3/lib/python3.11/site-packages (from ipykernel) (5.3.0)
Requirement already satisfied: matplotlib-inline>=0.1 in ./anaconda3/lib/python3.11/site-packages (from ipykernel) (0.1.6)
Requirement already satisfied: nest-asyncio in ./anaconda3/lib/python3.11/site-packages (from ipykernel) (1.5.6)
Requirement already satisfied: packaging in ./anaconda3/lib/python3.11/site-packages (from ipykernel) (23.0)
Requirement already satisfied: psutil in ./anaconda3/lib/python3.11/site-packages (from ipykernel) (5.9.0)
Requirement already satisfied: pyzmq>=24 in ./anaconda3/lib/python3.11/site-packages (from ipykernel) (26.0.2)
Requirement already satisfied: tornado>=6.1 in ./anaconda3/lib/python3.11/site-packages (from ipykernel) (6.3.2)
Requirement already satisfied: traitlets>=5.4.0 in ./anaconda3/lib/python3.11/site-packages (from ipykernel) (5.7.1)
Requirement already satisfied: python-dateutil>=2.8.2 in ./anaconda3/lib/python3.11/site-packages (from jupyter_client) (2.8.2)
Requirement already satisfied: backcall in ./anaconda3/lib/python3.11/site-packages (from ipython>=7.23.1->ipykernel) (0.2.0)
Requirement already satisfied: decorator in ./anaconda3/lib/python3.11/site-packages (from ipython>=7.23.1->ipykernel) (5.1.1)
Requirement already satisfied: jedi>=0.16 in ./anaconda3/lib/python3.11/site-packages (from ipython>=7.23.1->ipykernel) (0.18.1)
Requirement already satisfied: pickleshare in ./anaconda3/lib/python3.11/site-packages (from ipython>=7.23.1->ipykernel) (0.7.5)
Requirement already satisfied: prompt-toolkit!=3.0.37,<3.1.0,>=3.0.30 in ./anaconda3/lib/python3.11/site-packages (from ipython>=7.23.1->ipykernel) (3.0.36)
Requirement already satisfied: pygments>=2.4.0 in ./anaconda3/lib/python3.11/site-packages (from ipython>=7.23.1->ipykernel) (2.15.1)
Requirement already satisfied: stack-data in ./anaconda3/lib/python3.11/site-packages (from ipython>=7.23.1->ipykernel) (0.2.0)
Requirement already satisfied: pexpect>4.3 in ./anaconda3/lib/python3.11/site-packages (from ipython>=7.23.1->ipykernel) (4.8.0)
Requirement already satisfied: platformdirs>=2.5 in ./anaconda3/lib/python3.11/site-packages (from jupyter-core!=5.0.*,>=4.12->ipykernel) (2.5.2)
Requirement already satisfied: six>=1.5 in ./anaconda3/lib/python3.11/site-packages (from python-dateutil>=2.8.2->jupyter_client) (1.16.0)
Requirement already satisfied: parso<0.9.0,>=0.8.0 in ./anaconda3/lib/python3.11/site-packages (from jedi>=0.16->ipython>=7.23.1->ipykernel) (0.8.3)
Requirement already satisfied: ptyprocess>=0.5 in ./anaconda3/lib/python3.11/site-packages (from pexpect>4.3->ipython>=7.23.1->ipykernel) (0.7.0)
Requirement already satisfied: wcwidth in ./anaconda3/lib/python3.11/site-packages (from prompt-toolkit!=3.0.37,<3.1.0,>=3.0.30->ipython>=7.23.1->ipykernel) (0.2.5)
Requirement already satisfied: executing in ./anaconda3/lib/python3.11/site-packages (from stack-data->ipython>=7.23.1->ipykernel) (0.10.0)
```

Given the features.

```
!curl -X POST -H "Content-Type: application/json" \
  -d '{"features": {"LotArea": 8450, "OverallQual": 7, "YearBuilt": 2003, "Neighborhood_CollgCr": 1, "Neighborhood": "CollgCr", "Neighborhood_LowQual": 0, "Neighborhood_MidQual": 0, "Neighborhood_HighQual": 0, "Neighborhood_LowQual": 0, "Neighborhood_MidQual": 0, "Neighborhood_HighQual": 0}}' \
  http://localhost:5000/predict
```