Graph Neural Network
Lecture 2

- **PyG** (PyTorch Geometric) is a library built upon *PyTorch* to easily write and train Graph Neural Networks (GNNs) for a wide range of applications related to structured data.

- Installation:
  - `pip install torch_geometric`
  - `conda install pyg c pyg`

Example Code

```python
from torch_geometric.data import Data
import torch

edge_index = torch.tensor([[0, 1, 1, 2],
                           [1, 0, 2, 1]],
                          dtype=torch.long)
x = torch.tensor([[1], [2], [3]],
                 dtype=torch.float)
data = Data(x=x, edge_index=edge_index)
print(data)
```