Scope

- Understand what `torch.nn` is
- Understand what a module is
- Understand how modules are used to build and train neural networks
- Understand how to author a module in PyTorch
- Understand how to test modules in PyTorch

What is torch.nn?

`torch.nn` is the component of PyTorch that provides building blocks for neural networks. Its core abstraction is `nn.Module`, which encapsulates stateful computation with learnable parameters. Modules integrate with the [[autograd|Autograd-Basics]] system and are generally trained using optimizers provided in `torch.optim`.

What is a module?

Read through the following links:

- [Introduction to Modules](#)
- [Neural networks tutorial](#)

How to author and test a module in PyTorch

Work through the [[lab|Module-Onboarding-Lab]].