

✓ **Congratulations! You passed!**

TO PASS 50% or higher

Keep Learning

GRADE
100%

Neural Network initialization

LATEST SUBMISSION GRADE

100%

1. What do the following lines of code do

1 / 1 point

```
1 linear=nn.Linear(input_size,output_size)
2 torch.nn.init.xavier_uniform_(linear.weight)
```

- ☐ performs a prediction
- ☒ performs Xavier initialization
- ☐ Performers, He initialization

✓ **Correct**
correct

2. Why do we randomly initialize our parameters, instead of setting all the parameter to the same value ?

1 / 1 point

- ☐ decrease model variance
- ☒ each neuron will have the same output and such have the same gradien update