FAVORITE TORCH COMMANDS -

1. torch.tensor():

Takes parameters in the function call, to create a tensor (as an array).

2. torch.mm():

Comes in handy while caculating outputs per layer. For example -

```
# h is putput for first layer
h = activation(torch.mm(features,W1) + B1)

# h is input for second layer , for which we have final output
output = activation(torch.mm(h,W2)+B2)
print(output)

In [1]: runfile('/home/user/.config/spyder-py3/temp.py', wdir='/home/user/.config/spyder-py3')
tensor([[0.3171]])
```

3. tensor.randn():

Returns a tensor filled with random numbers from a normal distribution.

```
In [4]: torch.randn(4)
Out[4]: tensor([-0.5994, 1.9034, -1.2585, -0.0254])
```

4. torch.dot():

Returns the dot product of two tensors.

```
In [5]: torch.dot(torch.Tensor([4, 2]), torch.Tensor([3, 1]))
Out[5]: tensor(14.)
```

5. torch.kthvalue():

Returns the k-th element (start from 1) in ascending order with corresponding index.