## Congratulations! You passed!

Grade received 85.71% To pass 80% or higher

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Week 2 Total points 7		
<b>1.</b> If	f you want to merge two splits 'train' and 'test' together using Splits API, how would you be able to do so?	1 / 1 point
(	fds.load('mnist', split = 'train + test')	
(	) tfds.load('mnist', split = pd.concat('train', 'test'))	
(	tfds.load('mnist', merge = 'train+test')	
	) tfds.load('mnist',split = np.concat('train+test'))	
	Passing both train and test in the string is the proper way to get both the splits.	
s tl	The MNISTv3 dataset supports the Splits API. The train split has 70000 records in it. If you just want to create a ubsplit of the first 7000 records and want to use the python slicing notation instead of Splits API, what would be he answer?  It fds.load('mnist:3***, split='train[:7000]')  It fds.load('mnist:3***, subsplit='train[:7000]')  Read the entire train split, create a new dataset, iterate over the first 7000 of the 70000, and copy the records one-by-one to the new dataset.	1/1 point
	Correct Correct!  train[:7000] technically takes records from 0 to 6999 index value.  f you want a subsplit of the first 10% of the MNISTv3 training records, what would the code look like using the splits API?	1/1 point
(	tfds.load('mnist:3:::', split='train[:10%]')	
	) tfds.load('mnist:3.*.', split='train[10%:]')	
(	) tfds.load('mnist:3.**', subsplit='train[:10%]')	
(	) tfds.load('mnist:3.**', subsplit='train[10%:]')	
	'train[:10%] <sup>4</sup> n string format represents that we want the first 10% of the records from the train split.	
(	How many validation splits will this code generate?  Val_ds = tfds.load('mnist:3.*.*', split = ['train[{}]%:[]%]'.format(k/4,(k+40)/4) for k in range(0,400,40)])  40  10	1/1 point
	5	
	Will throw an Error	

10 splits.

As k is incremented by 40, you get the values like (0,40), (40,80)... until the last one, (360:400).

Dividing each value by 4 as you have (k/4,(k+40)/4), it will get converted to [0,10], [10,20]...[90,100] which is

