✓ C	ongr	ratulations! You passed!	Next Item
1/1 point	1.	If searching among a large number of hyperparameters, you shoul rather than random values, so that you can carry out the search mot rely on chance. True or False? True False Correct	-
1/1 point	2.	Every hyperparameter, if set poorly, can have a huge negative imp all hyperparameters are about equally important to tune well. True False Correct Yes. We've seen in lecture that some hyperparameters, such as are more critical than others.	e or False?
1/1 point	3.	During hyperparameter search, whether you try to babysit one more train a lot of models in parallel ("Caviar") is largely determined by the Whether you use batch or mini-batch optimization The presence of local minima (and saddle points) in your management of computational power you can access Correct The number of hyperparameters you have to tune	y:
1/1 point	4.	If you think β (hyperparameter for momentum) is between on 0.9 following is the recommended way to sample a value for beta? 1	and 0.99, which of the

it

1 r = np.random.rand() 2 beta = r*0.9 + 0.09

		In optimal values are $\gamma=\sqrt{\sigma^{2}+arepsilon}$, and $eta=\mu.$		
		Un-selected is correct		
		$\hfill \beta$ and γ are hyperparameters of the algorithm, which we tune via random sampling.		
		Un-selected is correct		
		There is one global value of $\gamma\in\Re$ and one global value of $\beta\in\Re$ for each layer, and applies to all the hidden units in that layer.		
		Un-selected is correct		
~	9.	After training a neural network with Batch Norm, at test time, to evaluate the neural network on a new example you should:		
1 / 1 point		If you implemented Batch Norm on mini-batches of (say) 256 examples, then to evaluate on one test example, duplicate that example 256 times so that you're working with a mini-batch the same size as during training.		
		Use the most recent mini-batch's value of μ and σ^2 to perform the needed normalizations.		
		Perform the needed normalizations, use μ and σ^2 estimated using an exponentially weighted average across mini-batches seen during training.		
		Correct		
		Skip the step where you normalize using μ and σ^2 since a single test example cannot be normalized.		
	4.0			
	10.	Which of these statements about deep learning programming frameworks are true? (Check all that apply)		
1 / 1 point		Deep learning programming frameworks require cloud-based machines to run.		
		Un-selected is correct		
		Even if a project is currently open source, good governance of the project helps ensure that the it remains open even in the long term, rather than become closed or modified to benefit only one company.		
		Correct		
		A programming framework allows you to code up deep learning algorithms with typically fewer lines of code than a lower-level language such as Python.		
		Correct		

