

✓ Congratulations! You passed!

Grade
received **80%**

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To pass 80% or
higher

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1. What's the URL of the TensorFlow Hub site containing lots of models?

0 / 1 point

- ☒ Tensorflow.org/hub
- ☐ Tfdev.hub
- ☐ Tfhub.dev
- ☐ tensorflow.org/tfhub

✗ Incorrect

2. What are the primary problem domains for which you can find models on hub?

1 / 1 point

- ☐ Image and Computer Vision
- ☐ Text and NLP
- ☐ Video and Computer vision
- ☒ All of the above

✓ Correct

3. How do you install the Hub API in Python?

1 / 1 point

- ☐ Pip install tf_hub
- ☒ Pip install tensorflow_hub
- ☐ Pip install tensorflow-hub
- ☐ Pip install tf-hub

✓ Correct

4. When I have the URL of a model in MODULE_HANDLE, what's the API to load it?

1 / 1 point

- ☒ model = hub.load(MODULE_HANDLE)
- ☐ model = hub.open(MODULE_HANDLE)
- ☐ model = open.hub(MODULE_HANDLE)
- ☐ model = hub.get(MODULE_HANDLE)

✓ Correct

5. In a transfer learning scenario, and a model was created using keras, how can you get the layer that you can freeze, and retrain everything beneath?

1 / 1 point

- ☐ hub.Keras(...)
- ☐ hub.Freeze_Layer(...)
- ☒ hub.KerasLayer(...)
- ☐ hub.Get_Layer(...)

✓ Correct

6. You've taken a keras layer from a hosted model in hub and called it 'foo'. What's the syntax to then build a DNN with foo as the top layer(s)?

1 / 1 point

- ☒ model = tf.keras.Sequential([foo, Dense(2, activation='softmax')])
- ☐ model = tf.keras.Sequential([foo], [Dense(2, activation='softmax')])
- ☐ model = tf.keras.Sequential([foo]) + ([Dense(2, activation='softmax')])
- ☐ model = tf.keras.Sequential([Dense(2, activation='softmax'), foo])

✓ Correct

7. If you want to use a model in TensorFlow Lite, how can you do it with Hub?

0 / 1 point

- ☐ Take a TFLite model from hub
- ☒ Take a general model from hub and convert to TF Lite
- ☐ Take layers from a hub model, retrain, and convert to TF Lite
- ☐ All of the above

✗ Incorrect

8. You download an embedding from tensorflow hub and want to retrain it, what do you do?

1 / 1 point

- ☒ Use the trainable=true parameter in the KerasLayer call
- ☐ Nothing -- you can't retrain it
- ☐ You can't download an embedding
- ☐ Nothing -- it's retrainable by default

✓ Correct

9. If you want to get a JavaScript model from Hub, what's the easiest way to do it?

1 / 1 point

- ☐ In TF.js use the KerasLayers method and pass it the model URL
- ☐ You can't do this
- ☒ In TF.js use the loadGraphModel method and pass it the model url
- ☐ Download the savedmodel from hub and convert it using the TF Lite converter

✓ Correct

10. You load a layer from hub using the KerasLayers method, and then add layers beneath it. When you do model.summary(), what will you see?

1 / 1 point

- ☐ You can't do this for model privacy reasons
- ☐ All of the layers from the original model followed by your layers
- ☐ A single layer from the original model followed by your layers
- ☒ A KerasLayer followed by your layers

✓ Correct