1. If you want to track training data, such as accuracy and loss and visualize it on TensorBoard, what programming pattern would you use?

- ○ Store them in a database and point TensorBoard at that DB

- ○ Store them in a log file, and at the end of the training, pass that to TensorBoard

- ○ It just happens automatically

- ● Store them in a log file and use epoch-by-epoch callbacks to update it. Have Tensorboard read that log file

✓ **Correct**

2. If you are using a callback to manage logging of data for TensorBoard, where would you specify it?

- ● During the model.fit process

- ○ While preprocessing the data

- ○ After you're done training

- ○ When you design the model

✓ **Correct**

3. What's the name of the class in TensorFlow that handles and manages logging to TensorBoard?

- ○ tf.keras.TensorBoard.callbacks

- ○ tf.logs.TensorBoard.callback

- ○ tf.TensorBoard.callback

- ● tf.keras.callbacks.TensorBoard

4. How do you get a histogram plotting each epoch in your training?

○ Set histogram_freq=all

○ Set use_histogram=true

○ Set use_histogram=true and histogram_freq=1

◉ Set histogram_freq=1

✓ **Correct**

5. If you want to upload your logs to tensorboard.dev to share with others, what command do you use?

◉ tensorboard dev upload --logdir ./logs

○ tensorboard upload dev --logdir ./logs

○ tensorboard upload --logdir ./logs

○ tensorboard dev --logdir ./logs

✓ **Correct**

6. When you share your logs on tensorboard.dev, what is the URL signature that you share with others?

○ tensorboard.dev/[code]

◉ tensorboard.dev/experiment/[code]

○ tensorboard.dev/logs/[code]

○ tensorboard.dev/board/[code]

7. If you want to write an image to logs for TensorBoard to represent it, what API call should you use?

- ○ image.write(tf.summary.TensorBoard)
- ○ tf.summary.write_image() - with image as a parameter
- ○ tf.summary() - with image as a parameter
- ● tf.summary.image() -- with image as a parameter

✓ **Correct**

8. If you have written logs (including images and more) to logs/train_data, and want to inspect them with TensorBoard, what's the command to use?

- ○ %tensorboard --dir logs/train_data
- ○ %tensorboard --logs logs/train_data
- ● %tensorboard --logdir logs/train_data
- ○ %tensorboard --logdir train_data

✓ **Correct**

9. If you want to create a simple, custom, callback on-the-fly, what API would you use?

- ○ tf.keras.callbacks.Dynamic
- ● tf.keras.callbacks.LambdaCallback
- ○ tf.keras.callbacks.Simple
- ○ tf.keras.callbacks.Lambda

10. Which module in TensorFlow provides APIs to store data that TensorBoard and other tools can use?

○ tf.data

○ tf.debug

○ tf.logs

● tf.summary

✓ **Correct**