Module 2 Quiz

1. What data types are supported by Amazon Recognition? Select all that apply.
   - Images
   - Video
   - Audio
   - Text

2. What is the recommended strategy for hyper parameter optimisation in Amazon SageMaker?
   - Grid Search
   - Random Search
   - Bayesian Search
   - Binary Tree Search

3. Which frameworks come pre-installed on the Deep Learning AMI? Select all that apply.
   - Apache MXNet
   - Chainer
   - PyTorch
   - TensorFlow

4. Where are Amazon Deep Learning Containers made available?
   - Amazon Machine Image Marketplace
   - Amazon Elastic Container Registry
   - Amazon SageMaker built-in algorithms
   - Amazon EC2 Service Console

5. What's the recommended tool for optimising models for edge deployment?
    - Amazon SageMaker Neo
    - Amazon SageMaker Automatic Model Tuner
    - Amazon Personalize
    - AWS Auto Scaling

6. Assume you have 10,000 unlabelled images of foods, and need to train an object detection model for edge deployment in a smart fridge. Using Amazon SageMaker, in what order would you use the following components?
    - Ground Truth -> Automatic Model Tuner -> Neo
    - Neo-> Automatic Model Tuner -> Ground Truth
    - Automatic Model Tuner -> Ground Truth -> Neo
    - Ground Truth -> Neo -> Automatic Model Tuner

7. What learning procedure does SageMaker Ground Truth use to label data?
    - Active Learning
    - Unsupervised Learning
    - Metric Learning
    - Human Learning

8. Which Amazon SageMaker built-in algorithms can be used for understanding images?
    - BlazingText
    - DeepAR
    - Object Detection
    - Semantic Segmentation

9. Which AWS service lets you attach low-cost GPU-powered acceleration to Amazon EC2 and Amazon SageMaker instances?
    - AWS loT Greengrass
    - Amazon SageMaker Batch Transform
    - AWS Auto Scaling
    - Amazon Elastic Inference

10. You need to start an Amazon SageMaker Notebook instance to use Amazon Rekognition?
    - True
    - False