WEEK 3

1) Select the key characteristics of enabling intelligence at edge layes for IOT
   a. Local data processing
   b. Filtered data transfer to cloud
   c. Increased storage capacity
   d. Faster decision-making.

2. In an Edge ML Platform, the container registry is used to ___
   a. perform maintence of containers
   b. generate workload @ description
   c. fetch containers to be depolyed on edge-runtime
   d. create virtual machine on the edge.

3. Select the correct Azure IOT edge functionalities
   a. Target workload at the correct type of device
   b. create " which can include high value ML
   c. Run those " locally, in disconnected manner
   d. Monitor the health of the workloads.

4. Select the advantages of Edge ML

a. Increase bandwidth
b. Enable Real-time analytics
c. Reduced latency
d. Improved data security.

5. WOF are obj. detection models

a. RCNN
b. Saas
c. YOLO
d. MLP

6. In a region-based CNN, convolution operations are performed on top of each of the "proposed" regions. - The stmt

a. True   b. False

7. A certain Performance Metrice is given by $TP/(TP+FP)$ where TP represents True Positive, FP represents the false Positive. this metrics is equivalent

a. F1 score
b. Accuracy   d. Precision
c. Recall

8. In the ___ phase, a developer feeds their model on annotated dataset so that it can "learn" everything it needs to about the type of data it will analyze. Then, in the ___ phase, the model can make predictions based on live data to produce actionable results.

a. Training , cross-validation
b. " , Inferencing
c. None :

9. In fast R-CNN, we extract feature maps from the i/p image only once as compared to R-CNN where we extract feature maps from each region proposal separately. The stmt is

a) True
b) False

10. In YOLO object Recognition model, only the Regions of Interest are processed by the neutral network. The stmt is :-

a) True

b) False