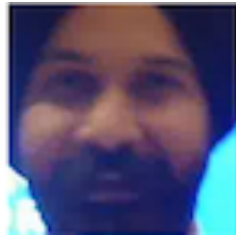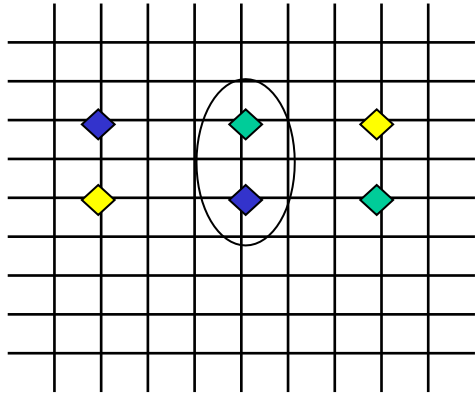Suppose we have a dataset of pictures and we want to cluster them. Which partitioning algorithm seems more appropriate?

A. k-medoids

B. k-medians

C. k-means

D. none of the above

What will be the color of the middle points after convergence (k=3)?

A. Green

B. Yellow

C. Blue

D. k-means does not converge

If p and q are density connected, then …

A. p is density reachable from q

B. one of p or q is a core point

C. one of p or q is a border point

D. none of the above is necessarily true

In density-based clustering, which points can belong to multiple clusters?

A. Core points

B. Border points

C. Outliers

D. None

When executing DBSCAN …

A. the result is independent of the order of choosing initial core points

B. each point belongs to the cluster with the closest centroid

C. the number of clusters is independent of the model parameters

D. the iteration stops once found clusters are no more updated with new points