CV ASSIGNMENT 2

Q1) CNN is ANN that can extract features from image. It works by multiplying a matrix (filter) with pixel values.

Q2) refactoring parts help in training networks specifically to our usecase/data.

Q3) converting data into 1d array to use as input in next layer is flattening. Yes, for training forward connections.

Q4) NCHW stands for n batches, c channels, h height and d depth.

Q6) receptive field is input space that affects the particular CNN.

Q7) increase in stride reduces receptive field.

Q8) each channel can be an order of tensor creating nth order tensor with n color channels (3rd order tensor with RGB).

Q9) color input interacts in separate channels with CNN.