1. Select the correct option: 1 / 1 point

   Statement 1: Autoencoders are a supervised learning technique.

   Statement 2: Autoencoder's output is exactly the same as the input.

   ⦿ Both statements are false.
   ○ Both statements are true.
   ○ Statement 1 is true, statement 2 is false.
   ○ Statement 2 is true, statement 1 is false.

   ⊘ Correct
   Correct!

2. Select the correct option: 1 / 1 point

   Statement 1: Autoencoders can be viewed as a generalization of PCA that discovers lower dimensional representation
   of complex data.
   Statement 2: We can implement overcomplete autoencoder by constraining the number of units present in the hidden
   layers of the neural network.

   ○ Both statements are false.
   ○ Statement 2 is true, statement 1 is false.
   ○ Both statements are true.
   ⦿ Statement 1 is true, statement 2 is false.

   ⊘ Correct
   Correct!

3. (True/False) Denoising autoencoders can be used as a tool for feature extraction.   1 / 1 point

   ⦿ True
   ○ False

   ⊘ Correct
   Correct!

4. (True/False) An Autoencoder is a form of unsupervised deep learning.   1 / 1 point

   ⦿ True
   ○ False

   ⊘ Correct
   Correct!