The goal in this problem is to use a perceptron to distinguish the letter A from the letters BCDEJK. The perceptron is one of the simplest neural networks capable of linearly separating data.

A perceptron is a neural network unit that performs specific computations to detect features or business intelligence in input data. It is a function that takes its input "x," multiplies it by learned weight coefficients, and generates an output value "f(x)."