Machine Learning practical session 22/02/2023
kNN approach

We need to create a map of the sea region. The map must indicate the character of the seabed, hard or soft. We are given the map of the region and a set of measurement made in a limited number of points. The map of the region is stored in a 2D array in file `seamap.csv,` with label "0" representing shore, and label "1" representing sea. Files `x.csv` and `y.csv` contain 1D arrays with corresponding values of X and Y coordinates. The list of seabed measurements is stored in the `measurements.csv` file with first two columns giving the coordinates of the locations where each measurement is done, and the third column denoting the property of seabed ("0" for hard and "1" for soft).

Please, download the data files and write a Python code creating the map. Use kNN approach.