Task 4 Basic neural networks - Machine Learning

1. Using the table datasets for task #1 and task #2, write a Python program that implements neural network models for both classification and regression.
2. Conduct an experiment to improve your models to increase their quality, vary the parameters such as different neuron layers, solver, loss function etc. Choose the best combinations for both classification and regression and display their assessment metrics.
3. Compare the results obtained by neural network with your best machine learning algorithms obtained in tasks #1 and #2. Write a short report and conclusions for the work.

For the help with this task you may use the book "Deep Learning with Python" by François Chollet (Глубокое обучение на Python, Франсуа Шолле), chapter 3 in particular.