

Aim :

To Implement the sigmoid activation function and Implement MLP for diabetes dataset.

Algorithm :

This function takes any real value as input and output value in the range 0-1. The larger the input, the closer the output value will be 1.0, whereas smaller the input closer the output will be 0.0.

$$\text{Sigmoid activation function} = \frac{1}{1+e^{-x}}$$

Plot of Input / output for sigmoid :-

