Assignment-2: Implementation of Linear Regression (5 + 5 = 10 marks).

The data of two inputs (X1, X2) for each output (Y) are shown in the table below.

X1	X2	Y
1	2	11
3	4	27
5	6	43
7	8	59
9	0	45

The equation of the above mentioned data is ($5X1 + 3X2 = Y$). Use the linear regression line as a model to estimate the output value for the input pair (11, 1) and (1, 11).

a) Estimate the model by using the batch mode.
b) Estimate the model by using incremental mode.