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	Lab Assignment - 4
	CSE 4746 Numerical Methods
1.	Write a program to find the least square line $y = a + bx$ for the following data
	x -2 1 0 1 2 y 1 2 3 4 5
2.	, , , , , , , , , , , , , , , , , , ,
3.	Write a program to find the best possible values of a and b from the relation $y = ae^{bx}$ for the following data: $ \begin{array}{cccccccccccccccccccccccccccccccccc$
4.	
5.	Write a program to solve the following Differential Equation by using Runge – Kutta method. $dy / dx = x + y$ , $y(0) = 1$ . Compute $y(0.1)$ and $y(0.2)$ taking $h = 0.1$ .