Ex-3:

Suppose that you own a wood supplying company. You receive orders from two customers, each requiring 3/4-inch plywood. Customer 1 needs 50 sheets, and customer 2 needs 70 sheets. Now suppose that you have two warehouses, with Warehouse A having 80 sheets of 3/4-inch plywood in stock, and Warehouse B having 45 sheets. The delivery cost (in Rupees per sheet) are as shown in the following table:

	Customer 1	Customer 2
Warehouse A	50	60
Warehouse B	40	55

Report the amount you ship from each warehouse to each consumer and the total optimal cost. Also, in the report define your variables stating the meaning and use in the linear program along with the screenshot of the answers.