**TUTORIAL**

**Post Lab:**

1**.** Minimize : C= 16x1+8x2+4x2

Subject To: 3x1 + 2x2 +2x3 >=16

4x1 +3x2 + x3 >=14

5x1 + 3x2 + x3 >=12

X1,x2,x3 >=0

Apply dual method and find the optimal solution for minimization problem

2. A producer of Healthy food makes two important and secret ingredients that goes into their humanfood, named as a HealthyMan and CommonMan. Each kg of HealhyMan contains 300 g of vitamins, 400 g of protein, and 100 g of carbs. Each kg of commonMan contains 100 g of vitamins, 300 g of protein, and 200 g of carbs. Guidelines for minimum nutritional that require a mixture made from these ingredients contain at least 900 g of vitamins, 2200 g of protein, and 800 g of carbs. HealthyMan costs $2.00 per kg to produce and CommonMan costs $1.25 per kg to produce. Find the number of kgs of each ingredient that should be produced in order to minimize cost.

Solve LPP by using Dual method.