

SUBJECT: Web Design and Development Course

EUROPEAN IT

Instructor: Salman Md Sultan

Noted: You have to answer all questions

Duration: 1.30 hours

Scenario: 1 A cake owner wants to make a program for his cake business. In this program, he wants to calculate profit and loss after selling a particular cake.

For example, A cake owner sells five different flavors of cake in his website. The name of each cake is: black forest, Vanilla cake, Red Velvet, Lemon Sponge Cake, and Chocolate Cake. To make these cakes, the owner has to pay different types of inventory cost such as raw material cost (180, 150, 220, 165, 170 for each cake pound, respectively) transportation cost (150 for each cake), utility cost (3% on material and transportation cost in total for each cake), space cost (50 for each cake) and staff cost (60 for each pound).

On the other hand, the selling price of the each cake is 780, 600, 800, 650, and 660, respectively, per pound. Due to New Year 2022, the owner gives 5% discount on first 3 cakes and 7% discount on rest of the cake. With the discount offer, Owner sells 5, 7, 10, 5, 9 pounds till today in total for each cake. Now, owner wants to calculate the below business questions using PHP programming language. To do it, owner hires a PHP programmer who can make software to estimate the below queries:

1. Owner wants to visualize the each cake flavor types
2. Owner wants to visualize the total inventory cost for each cake per pound
3. Owner wants to visualize the selling price before discount for each cake per pound
4. Owner wants to visualize the selling price after discount for each cake per pound