For Odd ID

CSE1206 : Object Oriented Programming Lab Fall 2020 Set - C

Online Date: 01 September, 2021 Group: C2 Time: 55 minutes

Create a project Named: FoodDemo then create the following interfaces and classes. 14 (each interface Food class/in Methods: ter-face String getName(); 2 mark) abstract class DietFood void setName(String); Methods: double getCalories(); abstract void cholesterol(); void setCalories(double); void Type(); [prints: double getFat(); "Eaten during special diets"] void setFat(double); extends extends extends interface HealthyFood interface JunkFood Methods: Methods: void setNutritionValue(String); String gethealthIssues(); String getNutritionValue(); void setHealthIssues(String); implements implements implements Class Pizza Own methods: String Problems() class Milk class Salad extends DietFood [return the String: "High implements HealthyFood Own Methods: on calories"] **Own Methods:** String Calcium() [return the String: "Calcium void cholesterol() [prints the String: "Salads have content is 12%"] 0% Cholesterol "] Create objects of Pizza, Milk and Salad. Call all the methods that they implement. 2+2 +2 Pizza has 266 calories and 10% fat content per 100 gm and the Health Issues are "Very High" Milk has 42 calories and 1% fat content per 100 gm and the Nutrition Value is "Very High" Salad has 20 calories and 0.2% fat content per 100 gm and the Nutrition Value is "High"

Total: 20

Marks

Sample Output

Food is: Pizza

Calories per 100 gm: 266.0 Fat per 100 gm: 10.0

Health Issues are Very High

Is High on calories

Food is: Milk

Calories per 100 gm: 42.0 Fat per 100 gm: 1.0

Health Benefits are Very High

Calcium content is 12%

Eaten during special diets

Food is: Salad

Calories per 100 gm: 20.0 Fat per 100 gm: 0.2 Health Benefits are High Salads have 0% Cholesterol

^{**}All Proceedings including proper email, submitting files and solution of the online will carry full marks.