CSE1206 : Object Oriented Programming Lab Fall 2018	Set- B

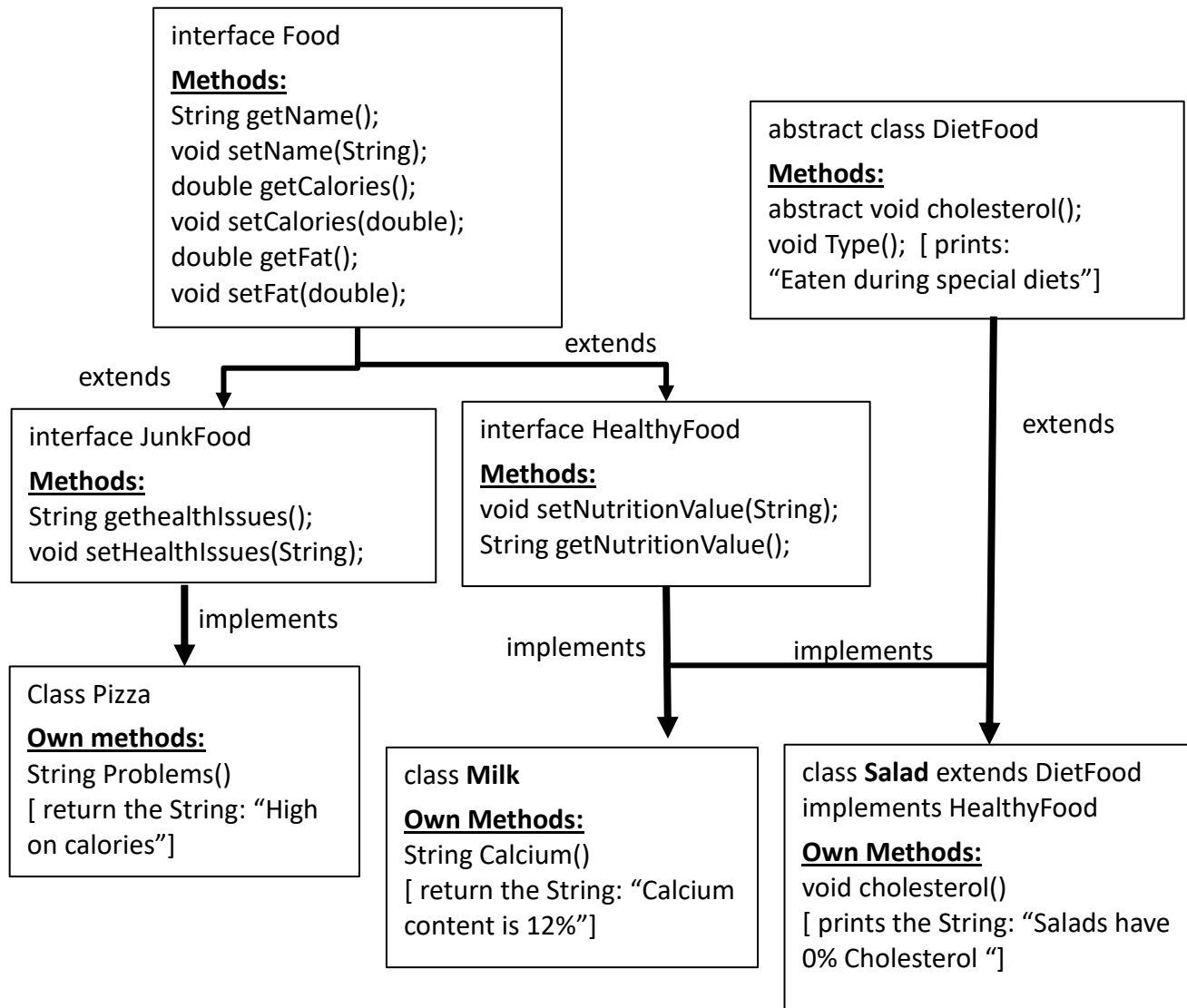**Online: 4   Date: 14 March, 2019   Group: C1   Time: 50 minutes**

	Marks
Create a project Named: FoodDemo then create the following interfaces and classes.	14 (each class /inter -face 2 mark)

interface Food

Methods:
String getName();
void setName(String);
double getCalories();
void setCalories(double);
double getFat();
void setFat(double);

abstract class DietFood

Methods:
abstract void cholesterol();
void Type(); [prints: "Eaten during special diets"]

extends

extends

extends

interface JunkFood

Methods:
String gethealthIssues();
void setHealthIssues(String);

interface HealthyFood

Methods:
void setNutritionValue(String);
String getNutritionValue();

implements

implements

implements

Class Pizza

Own methods:
String Problems()
[return the String: "High on calories"]

class **Milk**

Own Methods:
String Calcium()
[return the String: "Calcium content is 12%"]

class **Salad** extends DietFood implements HealthyFood

Own Methods:
void cholesterol()
[prints the String: "Salads have 0% Cholesterol "]

| **Create objects of PIzza, Milk and Salad. Call all the methods that they implement.**

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" | 2+2 +2 |

Total: 20

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