

Part 1:

The screenshot shows the IntelliJ IDEA IDE with the following components:

- Project View:** A tree structure on the left showing the project layout. The 'Part-2' directory is expanded, showing 'src' which contains 'Carbs', 'Customer', 'Fats', and 'Main.java'.
- Editor:** The 'Fats.java' file is open. It contains the following code:

```
1 // Concrete Fats
2 public class Fats implements Macronutrient {
3     private String name;
4
5     public Fats(String name) { this.name = name; }
6 }
```

Usage counts are shown for some lines: line 2 has 2 usages, line 3 has 2 usages, line 5 has 1 usage, and line 6 has 3 usages.
- Run View:** The 'Main' class is selected. The output console shows the following text:

```
/Users/wcsosro/Library/Java/JavaVirtualMachines/openjdk-19.0.1/Contents/Home/bin/java -javaagent:/Applications/IntelliJ IDEA.app/Contents/lib/idea_rt.jar=65847:/Ap
Eating pizza from Pizza Hut - Size: Small, Toppings: [Pepperoni, Mushrooms, Onions]
Eating pizza from Pizza Hut - Size: Medium, Toppings: [Pepperoni, Sausage, Mushrooms, Bacon, Onions, Extra Cheese]
Eating pizza from Pizza Hut - Size: Large, Toppings: [Pepperoni, Sausage, Mushrooms, Bacon, Onions, Extra Cheese, Peppers, Chicken, Olives, Spinach, Tomato and Bas
Eating pizza from Little Caesars - Size: Large, Toppings: [Pepperoni, Mushrooms, Onions]
Eating pizza from Little Caesars - Size: Medium, Toppings: [Pepperoni, Sausage, Mushrooms, Bacon, Onions, Extra Cheese, Peppers, Chicken]
Eating pizza from Little Caesars - Size: Small, Toppings: [Pepperoni]
Eating pizza from Dominos - Size: Small, Toppings: [Pepperoni, Mushrooms]
Eating pizza from Dominos - Size: Small, Toppings: [Pepperoni, Sausage, Mushrooms, Bacon, Onions, Extra Cheese]
Eating pizza from Dominos - Size: Large, Toppings: [Pepperoni, Sausage, Mushrooms]

Process finished with exit code 0
```
- Status Bar:** At the bottom, it shows the file path '3 > Part-2 > src > Fats', the time '2:14', and the encoding 'UTF-8'.

Part 2:

Project ▾

© Part-1/.../Ma

Run Main ×



Fats: Tuna

Meal for William (Diet Plan: Paleo):

Carbs: Bread

Protein: Fish

Fats: Peanuts

Meal for Robert (Diet Plan: Paleo):

Carbs: Cheese

Protein: Beef

Fats: Sour cream

Meal for Stephanie (Diet Plan: Vegan):

Carbs: Lentils

Protein: Chicken

Fats: Peanuts

Meal for Evelynne (Diet Plan: Vegan):

Carbs: Lentils

Protein: Tofu

Fats: Avocado

Meal for Nina (Diet Plan: Nut Allergy):

Carbs: Pistachio

Protein: Chicken

Fats: Sour cream

Process finished with exit code 0

3 > ▢ Part-2 > src > © Main.java > © Main > Ⓜ main

