Food class:

class Food implements Serializable {

int itemno;

int quantity;

double price;

Food(int itemno, int quantity) {

this.itemno = itemno;

this.quantity = quantity;

price = switch (itemno) {

case 1 -> calculated\_price(50, quantity);

case 2 -> calculated\_price(60, quantity);

case 3 -> calculated\_price(70, quantity);

case 4 -> calculated\_price(30, quantity);

default -> calculated\_price(10, quantity);

};

}