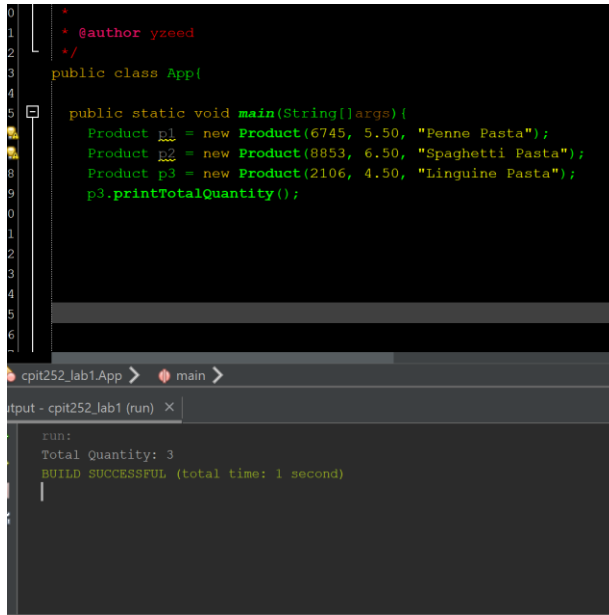


Q1:

Change from private int quantity;

to private static int quantity;



The screenshot shows an IDE with a Java file named `cpit252_lab1.App`. The code defines a `main` method that creates three `Product` objects: `p1` (Penne Pasta), `p2` (Spaghetti Pasta), and `p3` (Linguine Pasta). It then calls `p3.printTotalQuantity()`. The output window shows the result: `Total Quantity: 3` and `BUILD SUCCESSFUL (total time: 1 second)`.

```
1  *  
2  * @author yzeed  
3  */  
4  
5  public class App{  
6  
7      public static void main(String[] args){  
8          Product p1 = new Product(6745, 5.50, "Penne Pasta");  
9          Product p2 = new Product(8853, 6.50, "Spaghetti Pasta");  
10         Product p3 = new Product(2106, 4.50, "Linguine Pasta");  
11         p3.printTotalQuantity();  
12     }  
13 }  
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100
```

cpit252\_lab1.App > main >

Output - cpit252\_lab1 (run) X

```
Run:  
Total Quantity: 3  
BUILD SUCCESSFUL (total time: 1 second)  
|
```

Q2:

Make product class abstract

And override `getSellableStatus()` in `foodproduct` and `electricproduct`

Q3:

Create an array of product and then iterate using

`for (Product p : array)`

`if (array1 instanceof FoodProduct) {`

`System.out.println("food");`

`}`

Q4:

Make the method final

`final void addToShoppingCart()`

Q5:

I would make product class abstract and make a to string method in product class

Q6: I would change weight to protected so only subclass can access it instead of making it public and allow the access from any where