# Lab: Namespaces and Modules

## Greeter

Create a namespace **Greeter**, that exports a generic interface **Greeting**.

The interface must support the following **two** **declarations**:

* introduction()
* **sayGoodbye(name)** – the name is of the generic type

In a new file create class **Person** which implements the **Greeter** interface and receives two **private** properties from the constructor: **name** (a string) and **age** (a number) and add the following logic to the methods:

* **introduction()** – returns a string in the following format: "**My name is {name} and I am {age} years old."**
* **sayGoodbye(name)** – returns a string in the following format: "**Dear {name}, it was a pleasure meeting you!"**

### Examples

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| **Input** | **Output** |
| let p = new Person('Ivan Ivanov', 25);  console.log(p.introduction());  console.log(p.sayGoodbye('Petar Petrov')); | My name is Ivan Ivanov and i am 25 years old.  Dear Petar Petrov, it was a pleasure meeting you! |

## Deliveries

Create a namespace **FoodAndBeverages**, in one file, that exports an interface **Delivery**, which supports the following **declarations**:

* **newCustomer(customerName: string, visited: boolean)**
* **visitCustomer(customerName: string)** - this method returns a string
* **showCustomers()** - this method returns a string

In a new file create a class **Courier** that implements Delivery and has one property of its own:

* **protected** property **placesToVisit** which is set through the constructor and is array of objects.

Make the following three methods:

* **newCustomer(customerName: string, visited: boolean)** - the **visited** by default is **false**. Check if the **customerName** is already a customer of yours, if so throw a new error: "**{customerName} is already a customer of yours!"**. Otherwise push an object with key **customerName** and value – **visited** to the **placesToVisit** array and return a message: "**{customerName} just became your client."**
* **visitCustomer(customerName: string)** – check if the customer is client of yours, if not throw a new error: "**{clientName} is not your customer"**. Otherwise swap the value of **visited to true**.
* **showCustomers()** – print all the customers in the following format:

"{customerName} -> visited

{customerName} -> visited

… "

### Examples

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| **Input** | **Output** |
| let courier = new Courier([{ customerName: 'DHL', visited: false }]);  courier.newCustomer('Speedy');  courier.newCustomer('MTM');  courier.newCustomer('TipTop');  courier.visitCustomer('DHL');  courier.visitCustomer('MTM');  courier.visitCustomer('MTM');  console.log(courier.showCustomers()); | DHL -> true  Speedy -> false  MTM -> true  TipTop -> false |