# 03. Openning



*Now that you successfully saved money for your Bakery, you need to recruit some employees to work there. You are You should build a system for that.*

## Preparation

Download the skeleton provided in Judge. **Do not** change the **packages**!

**Pay attention to the name of the package bakery, all the classes, their fields, and methods the same way they are presented in the following document. It is also important to keep the project structure as described.**

## Problem description

Your task is to create a bakery, which stores employees by creating the classes described below.

First, write a Java class **Employee** with the following properties:

* **name: String**
* **age: int**
* **country: String**

The class **constructor** should receive **name, age** and **country** and override the **ToString()** method in the following format:

**"Employee: {name}, {age} ({country})"**

**Next**, write a Java class **Bakery** that has **employees** (a collection, which stores the entity **Employee**). All entities inside the repository have the **same properties**. Also, the Bakery class should have those properties:

* **name: String**
* **capacity: int**

The class **constructor** should receive the **name** and **capacity**, also it should initialize the **employees** with a new instance of the collection**.** Implement the following features:

* Field **employees** – **List** that holds added Employees
* Method add(Employee employee) – **adds** an **entity** to the data **if** **there** **is** **room** for him/her.
* Method remove(String name) – removes an employee by **given name,** if such **exists**, and **returns a bool**.
* Method getOldestEmployee() – returns the **oldest** employee.
* Method **getEmployee(string name)** – returns the employee with the **given name**.
* Getter getCount() – **returns** the **number** of employees.
* **report()** – **returns** a **string** in the following **format**:
  + **"Employees working at Bakery {bakeryName}:  
    {Employee1}  
    {Employee2}  
    (…)**"

## Constraints

* The **names** of the employees will be **always unique**.
* The **age** of the employees will always be with **positive values**.
* You will always have an employee added before receiving methods manipulating the Space Station’s Employees.

## Examples

This is an example of how the **Bakery** class is **intended to be used**.

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| Sample code usage |
| //Initialize the repository  Bakery bakery = new Bakery("Barny", 10);  //Initialize entity  Employee employee = new Employee("Stephen", 40, "Bulgaria");  //Print Employee  System.*out*.println(employee); //Employee: Stephen, 40 (Bulgaria)  //Add Employee  bakery.add(employee);  //Remove Employee  System.*out*.println(bakery.remove("Employee name")); //false  Employee secondEmployee = new Employee("Mark", 34, "UK");  //Add Employee  bakery.add(secondEmployee);  Employee oldestEmployee = bakery.getOldestEmployee(); // Employee with name Stephen  Employee employeeStephen = bakery.getEmployee("Stephen"); // Employee with name Stephen  System.*out*.println(oldestEmployee); //Employee: Stephen, 40 (Bulgaria)  System.*out*.println(employeeStephen); //Employee: Stephen, 40 (Bulgaria)  System.*out*.println(bakery.getCount()); //2  System.*out*.println(bakery.report());  //Employees working at Bakery Barny:  //Employee: Stephen, 40 (Bulgaria)  //Employee: Mark, 34 (UK) |

## Submission

Submit a **single .zip file**, containing the **bakery package, with the classes inside (Employee, Bakery, and the Main class)**, there is no specific content required inside the Main class e. g. you can do any kind of local testing of your program there. However, there should be a **main(String[] args)** method inside.