PRACTICE ASSESSMENT 6

OVERVIEW
Implement a Spring MVC web application that displays several employees from an SQL database and allows the user to select an employee by id. The application includes two pages: one that lists all employees and another that lists only the employee's retirement information..

SETUP
To begin, use the following MySQL commands to create a table named **employee** and fill it with some sample data. Copy-and-paste the code into MySQL Workbench and run it.

```sql
CREATE TABLE `employee` (
  `id` bigint NOT NULL AUTO_INCREMENT,
  `first_name` varchar(40) DEFAULT NULL,
  `age` int DEFAULT NULL,
  `salary` int DEFAULT NULL,
  PRIMARY KEY (`id`)
);

INSERT INTO `employee` (first_name, age, salary) VALUES
('Ram', 70, 90000 ),
('Sandy', 50, 45000),
('Allen', 25, 30000);
```

BUILD SPECIFICATIONS
The assignment is worth ten points, allocated based on the grading criteria indicated below. <u>**Pay special attention to the spelling and capitalization of the items in bold**</u>.

Now build the app.
1. *1pt* - Create a model class and a JpaRepository for this collection. The repository must be named **EmployeeRepository** in the package **co.grandcircus.assessment6**.
2. At the home URL path **/**, the app displays:
    a. *3pts* - A table of all the employees with each employee's **name**, **age**, and **salary**
    b. *3pts* - A form at the bottom of the page that allows the user to select an employee by **id**.
        i. The form must have a single input named **id** which will be of type number.
        ii. Upon submission of the form, the application goes to /retirement-info and passes the selected id information.
3. At the URL path **/retirement-info**, the app displays whether or not the employee (specified by the id) is able to retire along with the employee's benefits or how long until retirement..
    a. *2pts* - If the employee is over 65, the view should display **"Congratulations on your retirement! You're entitled to <this many dollars> in benefits!"** <this many dollars> is **60%** of the employee's **salary**.
    b. *2pts* - If the employee is not over 65, the view should display **"Keep going! You're <this many years> away from retirement!"** Replace "<this many years>" with how many years until the employee is 65.