

Problem statement-1.1: Injecting dependencies

Write an Employee bean. Inject values into bean using DI and display all values. Refer the class diagram below

The output would look as shown below:

The screenshot shows a Java application window titled "<terminated> EmpClient (2) [Java Application] C:\Program Files". The console output displays the following details:

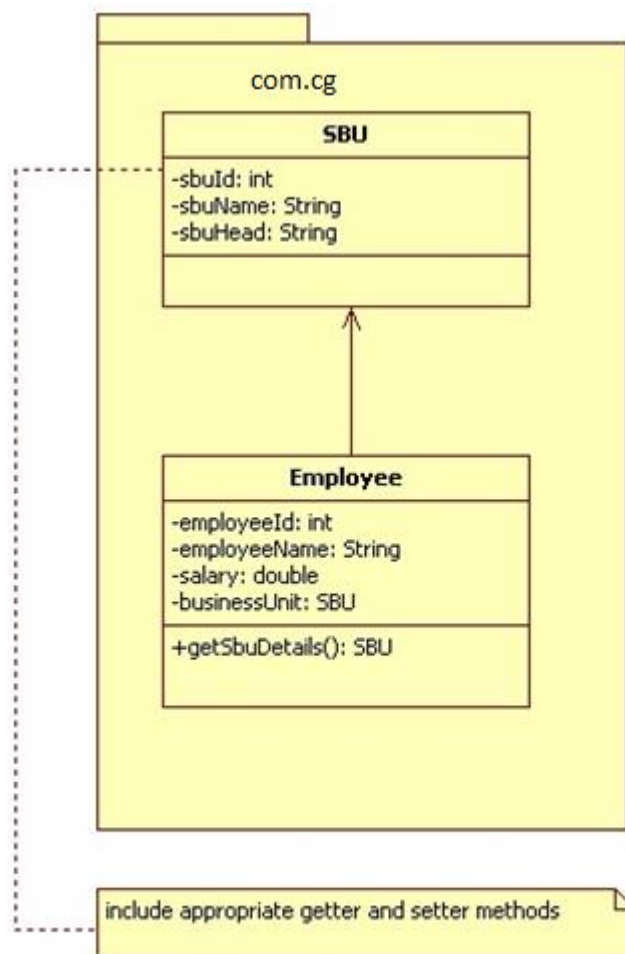
```
Employee details
-----
Employee ID : 12345
Employee Name : Harriet
Employee Salary : 40000.0
Employee BU : PES-BU
Employee Age : 30
```

To the right, a class diagram for the **Employee** class is shown with the following attributes:

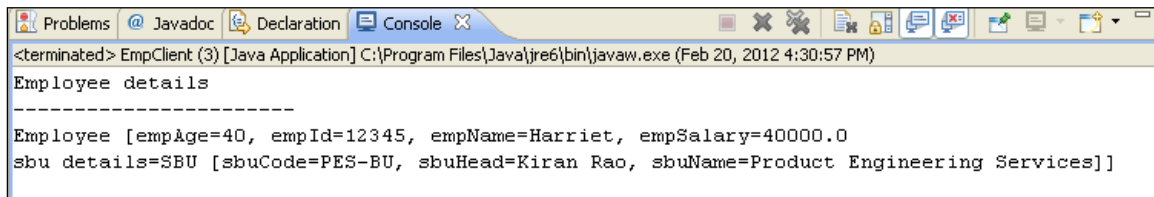
- employeeId: int
- employeeName: String
- salary: double
- businessUnit: String
- age: int

A note below the class diagram indicates "Appropriate methods".

Code SBU bean. Revisit the Employee bean and provide a method to retrieve SBU details (getSBUdetails()) for the employee. You will need to inject the SBU bean to the Employee bean as shown in the Class diagram below:

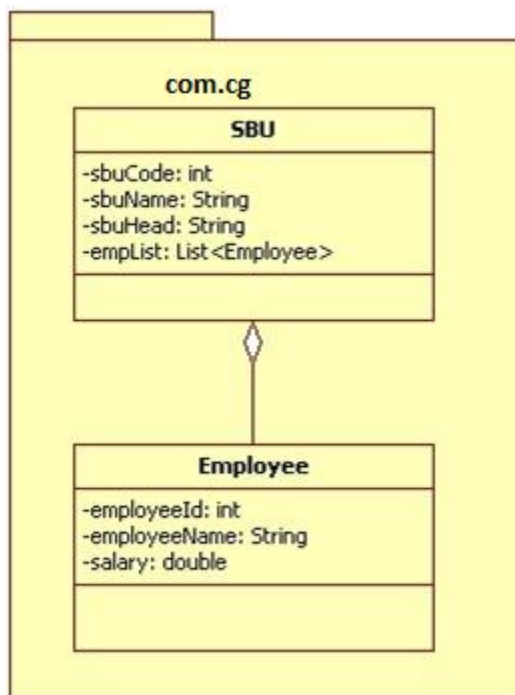


The output would look as shown below:

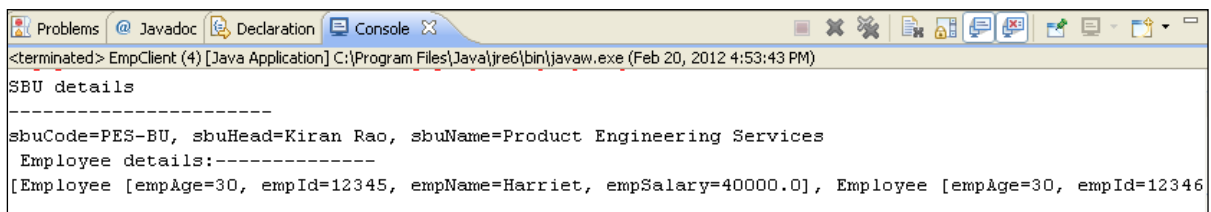


```
<terminated> EmpClient (3) [Java Application] C:\Program Files\Java\jre6\bin\javaw.exe (Feb 20, 2012 4:30:57 PM)
Employee details
-----
Employee [empAge=40, empId=12345, empName=Harriet, empSalary=40000.0]
sbu details=SBU [sbuCode=PES-BU, sbuHead=Kiran Rao, sbuName=Product Engineering Services]
```

Revisit the SBU bean. Create a new property called empList which will contain a list of all employees in the PES BU. Display the SBU details, followed by a list of all employees in that BU. To inject employee objects into the SBU bean, use “List” collection. Allocate two employees to PES. Refer Class diagram below



The output would look as shown below:



```
<terminated> EmpClient (4) [Java Application] C:\Program Files\Java\jre6\bin\javaw.exe (Feb 20, 2012 4:53:43 PM)
SBU details
-----
sbuCode=PES-BU, sbuHead=Kiran Rao, sbuName=Product Engineering Services
Employee details:-----
[Employee [empAge=30, empId=12345, empName=Harriet, empSalary=40000.0], Employee [empAge=30, empId=12346
```