Java1 - Pretest

Write a Java application to manage the list of employees with the specification as follows:

1	Creates an **abstract class** named **Person** in package **data.**
	- Fields **ID, name, yob**
	- Default constructor to initialize the above fields.
	- Method
	  - public void **accept()** : allow user input data into data fields.
	    Using try-catch exception for validation: ID, name not null- yob must be in range [1940-2000] .
	  - public abtract void **printInfo()** : print details of an person.

2	Create class **Employee derives from Person**, in package **data,** consists of:
	- Fields : **salary, workedDays, position**
	- Constructors to initialize the all fields
	- Override methods:
	  - **accept() :** allow user to input additional details for an employee:
	    invoke method **accept()** of super class.
	    using try-catch exception for validation: salary belongs to [200-10000], salary belongs to [0-27].
	
	  - **printInfo() :** display details of an employee including id, name, age, position, salary, worked days, income (salary* worked days/26)
	
	  - **toString() :** return a string presenting all the details of a employee.

3	Create java main class **EmployeeTest** in package **app** for managing a collection of **Employees**:
	- Fields: max, next – **eList (**array of employees**)**
	- Methods:
	- **void add()** - add a new employee
	- **void display()** - display all employees.
	- **void display (String eName)** - search and display employees by the required name.
	- **void remove(String eID) –** remove an employee by ID.
	- **void menu()** - allows to manage the list of employees through the menu system as follows.
	    1. Add a new employee
	    2. Display list of employee
	    3. Search employee by name
	    4. Remove employee by ID
	    5. Exit