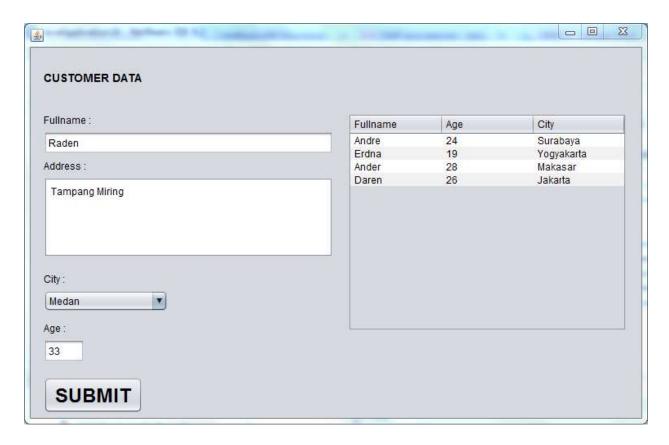
Exercise OOP, Array, GUI

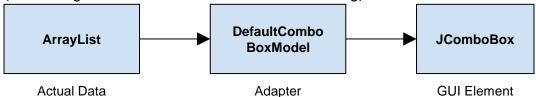
Create a simple form to collect customer data which consist of fullname, address, age, and city. Customer data should be stored into ArrayList and then displayed into table.



Follow these instructions!

- 1. Create "City" class, which have data member: city_id (int), name (String). Don't forget to create constructor and also getter setter.
- 2. Create "Customer" class which have data member: fullname(String), age(int), address(String), city_id(int)
- 3. Create JFrame class and then design GUI as like picture above.
- 4. Define four variable in JFrame:
 - a. ArrayList<City> cityList -> It's an array to store all city data
 - b. ArrayList<Customer> customerList -> storing customer data

c. DefaultComboBoxModel modelCity -> its an adapter for combo box object (refer to figure below to have better understanding)



- d. DefaultTableModel modelCustomer -> its an adapter for JTable
- 5. Inside JFrame constructor, initialize city data. You may use following example to construct city data:

```
cityList.add(new City(1, "Surabaya"));
cityList.add(new City(2, "Jakarta"));
cityList.add(new City(3, "Yogyakarta"));
cityList.add(new City(4, "Denpasar"));
cityList.add(new City(5, "Makasar"));
cityList.add(new City(6, "Medan"));
```

Setup default data model for combo box using those city data

- 6. Create event listener when submit button being pressed:
 - a. Create new customer object with data retrieved from GUI form
 - b. Add this customer data into arraylist customerList
 - c. Reset GUI form

BONUS:

7. When user click a data in table, display customer selected data using message box.

