Problem 1

Define an interface called Relatable that has two methods

- public boolean larger(Person);

- public boolean smaller(Person);

Write a Java class called Person which has the following fields and methods.

- age: an int

- lastname: a String

- firstname: a String

- Default constructor that set everything to empty or zero.

- Constructor that accepts three data to initialize the appropriate fields.

- access and mutate functions

- toString() method and equals() method

This Person class should also implement the Relabtable interface by comparing the age of two persons.

Write another Java class Faculty that extends Person class

- department: a String

- tenured: a boolean

- Default constructor that set everything to empty or zero.

- Constructor that accepts 5 data to initialize the appropriate fields.

- access and mutate functios

- toString() method and equals() method

Write a driver class to test those two classes thoroughly.