CS 202: IT Workshop I
Assignment VIII

Design an information system of your choice that will contain at least 3 classes with inheritance in place. The following (or similar) fields should be present: first name, last name, PAN, address PIN, Email ID, Roll number/employee ID, DateofBirth, etc.

a) write a method **validate()** to validate all the fields considered above. Inputs may be entered by the users from keyboard.

Explanation on validation:

i)   PAN of a person should be alphanumeric and contains all capital letters.
ii)   PIN code of an address must be a 6-digit number
iii)   DateOfBirth should be in mmddyyyy format

If any validation fails, it shall prompt the user to re-enter the details.

b) Create an arraylist and store of the objects of different classes in the same arraylist. Support mechanism to objects based on i) Roll number/employee ID, ii) Birthyear

[If required, you may write more than one validate() method and specify the validation rule from your general understanding.]