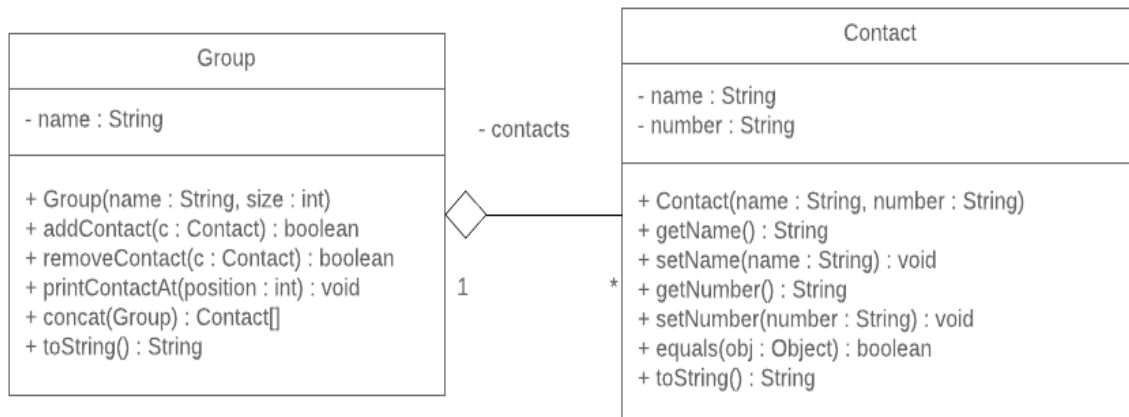**Exercise 1**: Create the classes along with the functionality given in the following UML Diagram. To understand the problem, please refer to the description given after the diagram.

Contact Class**:**

- Attributes:
  - *name:* the name of the contact
  - *number*: the cellphone number of the contact
- Methods:
  - *Contact(name:String, number:String):* constructor
  - *getName():* returns the name of the contact
  - *setName(name:String):* sets the value of the contact's name
  - *getNumber():* returns the number of the contact
  - *setNumber():* sets the value of the contact's number
  - *equals(obj:Object)*: compares two objects of type Contact based on their *name&number* and returns the result of the equality
  - *toString():* this method returns a string representation of the contact

Group Class**:**

- Attributes:
    - *name:* the name of the group
- Methods:
    - *Group(name:String, size:int):* constructor
    - *addContact(c:Contact):* adds a contact to the group if there's space
    - *removeContact(c:Contact):* removes a contact from the group if it's there by replacing it with the last contact in the group
    - *printContactAt(position:int*): prints the information of the contact at a certain position (e.g. first contact, second, etc)
    - *concat(g:Group):* concatenates the contact list of the two groups into one list and returns it
    - *toString():* this method returns a string representation of the group

Exercise 2: Write a main method that tests the functionalities of the previous classes.