Homework Arrays and ArrayList

PLEASE SHOW THE UPDATED ARRAY AFTER EACH PROBLEM.

1. Update the Array with the given commands.

0	1	2	3	4	5	6	7	8	9

   a. Add the following Strings to the array: "John", "Juan", "Jon", "Jean", "Jonas", "Johnny", "Joao", "Jani", "Giovanni", "Hans" in that order
   b. Replace index 3, with "Ivan"
   c. What happens if we add "Jhon" at the end of the array?
   d. What happens if remove the elements in index 4 and 6 what do you get?

2. Update the ArrayList with the given commands.

0	1	2	3	4	5	6	7	8	9

   a. Add the following Strings to the array: "John", "Juan", "Jon", "Jean", "Jonas", "Johnny", "Joao", "Jani", "Giovanni", "Hans" in that order
   b. Replace index 3, with "Ivan"
   c. What happens if we add "Jhon" at the end of the array?
   d. What happens if we add "Jan" by index 5 what do we get?
   e. What happens if remove the elements in index 4 and 6 what do you get?

1. a.

0	1	2	3	4	5	6	7	8	9
John	Ivan	Jon	Jean	Jonas	Johnny	Joao	Jani	Giovanni	Hans

Helen
2-21-23

b.

0	1	2	3	4	5	6	7	8	9
John	Ivan	Ivan	Jean	Jonas	Johnny	Joao	Jani	Giovanni	Hans

c. Cant add to a full Array. Will crash program.

d. Cant remove elements from an Array.

2. a.

0	1	2	3	4	5	6	7	8	9
John	Ivan	Jon	Jean	Jonas	Johnny	Joao	Jani	Giovanni	Hans

b.

0	1	2	3	4	5	6	7	8	9
John	Ivan	Ivan	Jean	Jonas	Johnny	Joao	Jani	Giovanni	Hans

c.

0	1	2	3	4	5	6	7	8	9	10	...	19
John	Ivan	Ivan	Jean	Jonas	Johnny	Joao	Jani	Giovanni	Hans	Jhon		

d.

0	1	2	3	4	5	6	7	8	9	10	...	19
John	Ivan	Jon	Jean	Jan	Jonas	Johnny	Joao	Jani	Giovanni	Hans		

2. e.

0	1	2	3	4	5	6	7	8	9
John	Ivan	Jon	Jonas	Johny	Joao	Jani	Giovani	Hans	

0	1	2	3	4	5	6	7	8	9
John	Ivan	Jon	Jean	Jonas	Joao	Jani	Giovani	Hans	