

Design Problems

Guideline :

create an Package by problem name, write the classes inside the package.

1. **Dynamic Integer Array :**

- Design a custom class `Slice` which represents a dynamic array, that will increase the size itself by doubling its size
- Functional Requirements
 - `add(int number)` : add an integer to the array
 - `remove(int number)` : remove the number from the array
 - `get(int index)` : get the number at that index
 - `set(int index, int value)` : update the value at the index
 - `size` : the size of the filled array
 - `capacity()` : returns the actual size of the array