

ΑΥΣΗ ΜΕ ΠΙΝΑΚΑ

```
public class NotebookArray
{
    private String[] notes;
    private int index;

    public NotebookArray()
    {
        notes = new String[10];
        index = 0;
    }

    public void storeNote(String note)
    {
        if ( index < notes.length )
        {
            notes[index] = note;
            index++;
        }
        else
        {
            System.out.println("The notebook is full");
        }
    }

    public int numberOfNotes()
    {
        return index;
    }

    public void showNote(int noteNumber)
    {
        if(noteNumber < 0) {
            // This is not a valid note number
        }
        else if(noteNumber < numberOfNotes()) {
            // This is a valid note number
            System.out.println(notes[noteNumber]);
        }
        else {
            // This is not a valid note number
        }
    }

    public void listNotes()
    {
        for(int i = 0; i < index; i++) {
            System.out.println(notes[i]);
        }
    }
}
```

ΑΥΣΗ ΜΕ ArrayList

```
import java.util.ArrayList;

public class Notebook
{
    private ArrayList<String> notes;

    public Notebook()
    {
        notes = new ArrayList<String>();
    }

    public void storeNote(String note)
    {
        notes.add(note);
    }

    public int numberOfNotes()
    {
        return notes.size();
    }

    public void showNote(int noteNumber)
    {
        if(noteNumber < 0) {
            // This is not a valid note number
        }
        else if(noteNumber < numberOfNotes()) {
            // This is a valid note number
            System.out.println(notes.get(noteNumber));
        }
        else {
            // This is not a valid note number
        }
    }

    public void listNotes()
    {
        for(int i=0; i < notes.size(); i++) {
            System.out.println(notes.get(i));
        }
    }
}
```