Advanced Multimedia Development (AMMD)

2004

Arrays, Games, Project 2

- Arrays
- More Games
- Project 2 Specification

Array

Array is simply a block of variables

Variables are accessed using the name of the array with an index

Arrayname = dogs

"fido"	"spot"	"rex"
0	1	2

index

Array

Creating Array

myArray = new Array();

In ActionScript, an array is an object.
It has properties, and methods.

```
myArray = new Array();
myArray[0] = 100;
trace (myArray[0] + 15);
```

The first element of an array has an index of 0.

Array

```
myArray = new Array();
for (i=0; i<4; i=i+1 )
{
        myArray[i] = i*10;
}
```

myArray

0	10	20	30	40
0	1	2	3	4

index

Array

```
myArray = new Array();
myArray[0] = 100;
myArray[3] = 100;
myArray[5] = 100;
trace (myArray);
trace (myArray.length);
```
Array object has only one property => length

myArray

100	undefined	undefined	100	undefined	100
0	1	2	3	4	5

index

Array Methods

Textbook P188, Array Methods Table

Array.toString	returns a string
Array.join	joins all elements to a string
Array.concat	join two strings and return
Array.reverse	Reverse the order of elements
Array.pop	Return and remove last element
Array.push	Add element to the end
	returns the array's length
Array.shift	Return and remove first element
Array.unshift	Add element to the beginning
	returns the array's length
Array.sort	Sorts the array

Array Methods

Textbook P188, Array Methods Table

Array.sortOn   Sorts an array based on
                            one elements of the array
Array.slice   Removes a section of an array
                            and returns it as a new array
Array.splice   Adds and removes elements

Games & Project 2

Games

Project 2 Specifications
- Students from the same practical class cannot choose identical topic.
- Topic Selection is done on a first-come-first-serve basis.
- Students cannot change game topic (once the choices are made)
- Students are allowed to change from game category to digital book category
- Students are not allowed to change from digital book category to game category

Conclusion

Arrays

Games

Select Project 2 Topics