Typed Arrays

Contents of the arrays are strictly controlled. Every element in an array is going to be	ne either 8,16,32,
float 64 bit introdure.	
Usecase:	
If you are creating web graph, i.e being able to do 3D graph on the web. This require pass as array of numbers. You want to store a pixel value like red blue green value like that you want to pass the data to some sort of native interface that was expect only numbers thats specific size.	ting to receive the
->Typed Arrays are used by:WebGL,Canvas,Web Audio API, XMLHttpRequests,Fetc Sockets,Web workers,Media Source API and File APIs	, I Ari, wes
>Here one byte is equal to 8 bits.	
Int8Array: 8 bit array intodure(Every introdure in array must be 8 bit) we can use	value negative 128 to
Uint@Arrays Insigned inrodure Unsigned means no zeroswe can use 0 to 255.	_
Uinit8ClamppedArray(0-255): here clampped means it is built-in data validation. if which is less than zero then it will convert it to zero. If you put the number which then it will automatically becomes 255.	f you try to put number is greater than 255
similarly we have 8 bit, 16 bit signed and unsigned.	
Int16Array, Uint16Array, Int32Array, Uint32Array, Float32Array, Float64Array	
The container for all above is called Array Buffer	
ArrayBuffer:	
The ArrayBuffer is a data type that is used to represent a generic, fixed-length bit can't directly manipulate the contents of an ArrayBuffer; instead, you create a ty DataView which represents the buffer in a specific format, and use that to read of the buffer.	nary data buffer. You ped array view or a and write the contents
ArrayBuffer is used to represent chunk of data of raw buffer data.	
->Arraybunct is used to represent the arraybuffer and say hey take the bund say hey take the bund say hey take the bund them. If you want to interact with array buffer then you have to use data view.	h of data and change
DataView:	
	
Data view contains get and set methods	
	1 Typed Arrays

-->In types arrays everything in the array should have same data type.

```
Let buffer = new ArrayBuffer(16);
//create a 16 byte buffer
//1 byte is 8 bits total 16*8 =128 bits

Let dv1 = new DataView(buffer);
//cretae a dataview to set/access whole buffer.

//let dv2 = new DataView(buffer,10,3);
//starts at slot 10 and get 3 bytes.

dv1.setInt8(0,42);
dv1.setInt8(2,43);
dv1.setInt8(3,44);
//put 42 in slot 11 of the buffer through view1

Let num = dv1.getInt8(1);
console.log(dv1.getInt8(0));//42
console.log(dv1.getInt8(1));//0
console.log(dv1.getInt8(2));//43
```

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