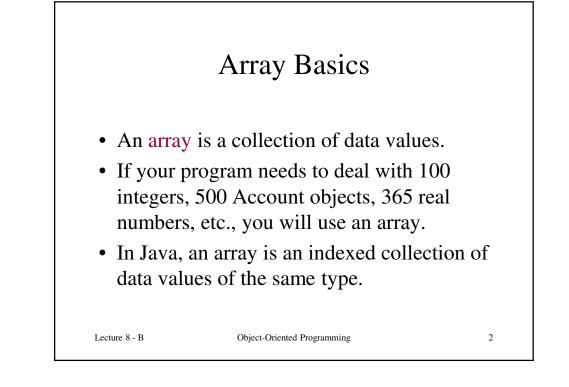
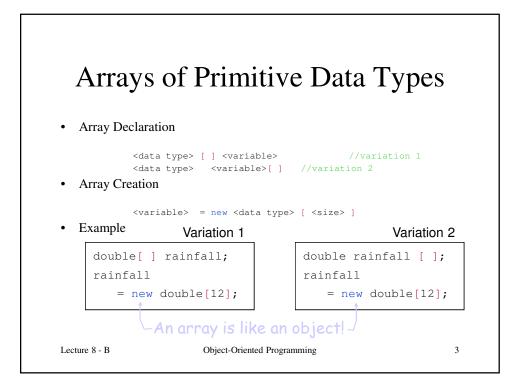
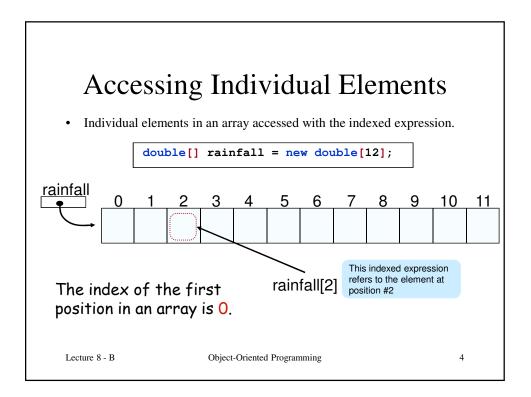
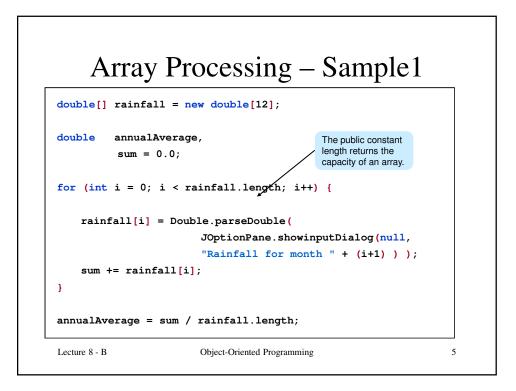
Arrays and ArrayList

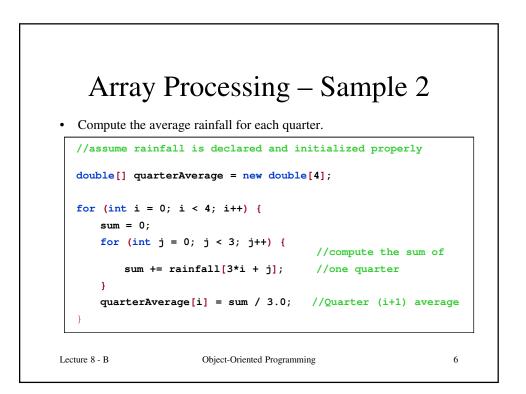
Lecture 8 - B Object-Oriented Programming

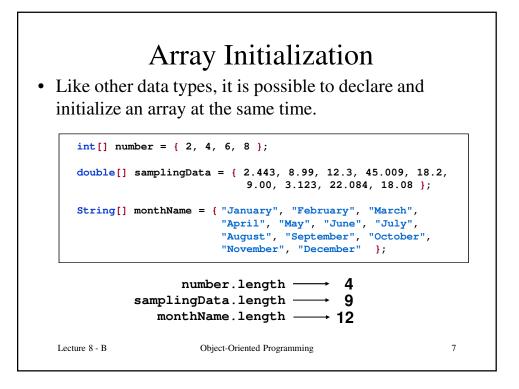


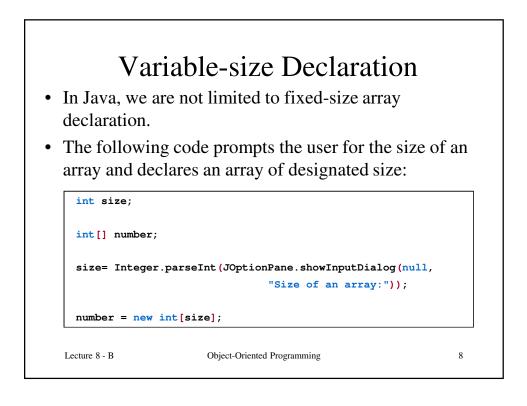


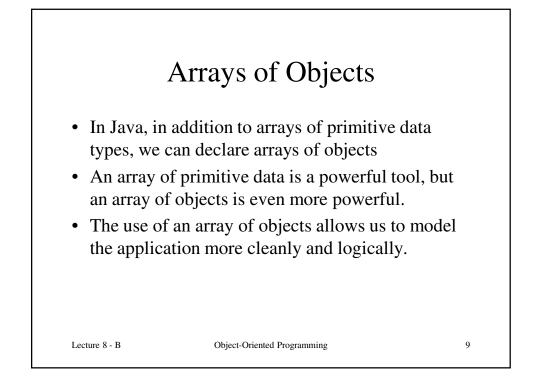


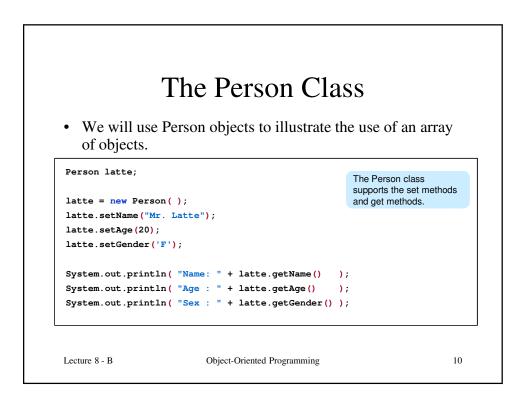


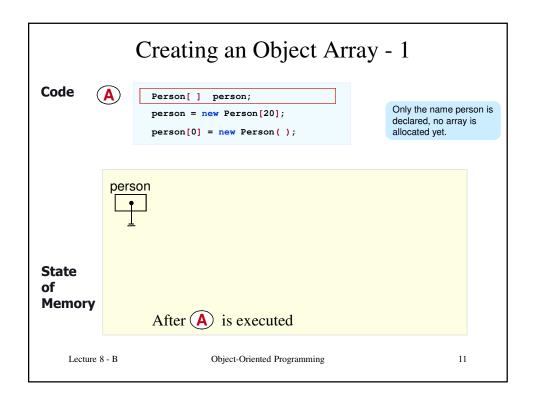


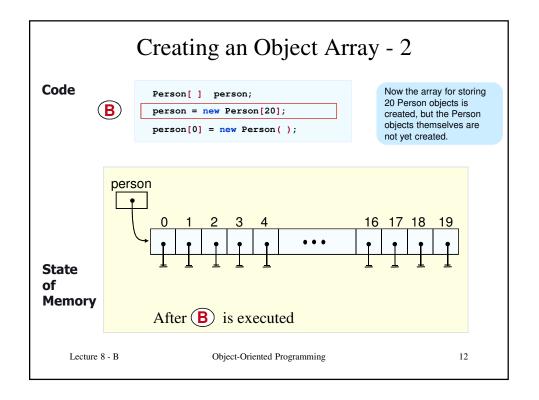


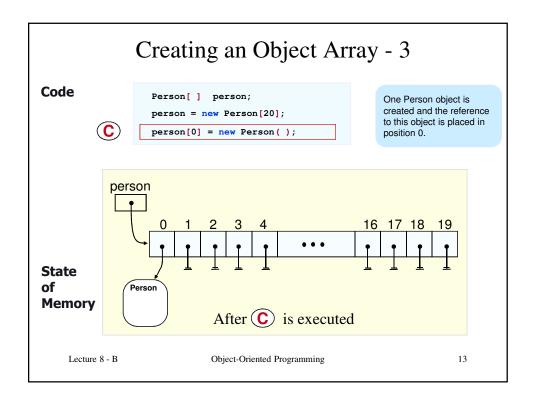


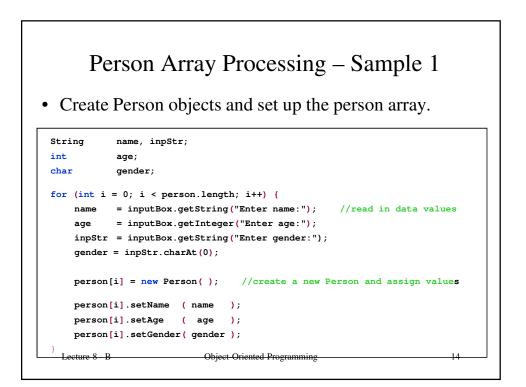


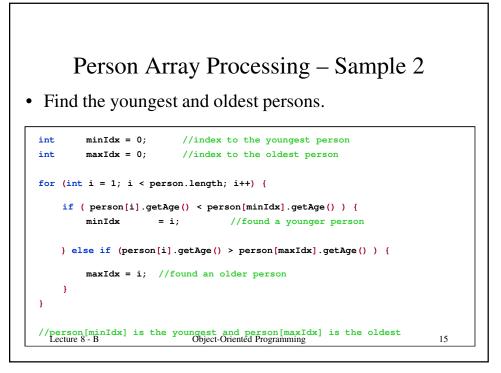


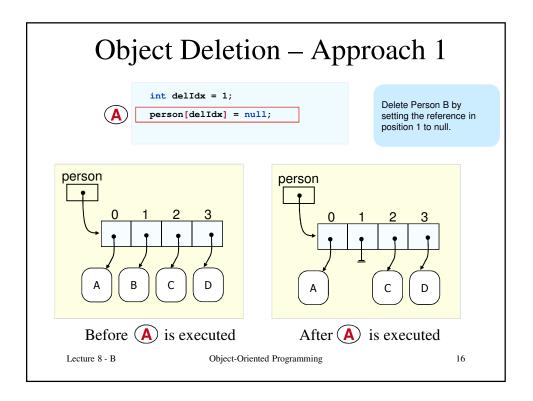


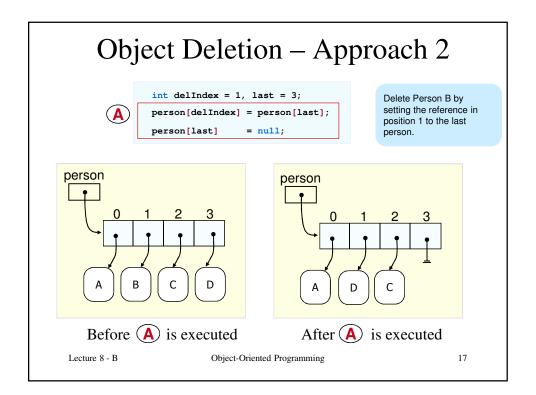


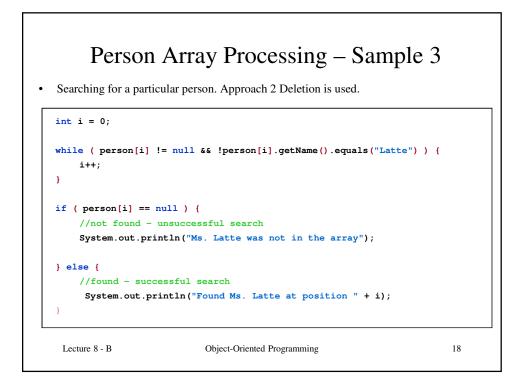


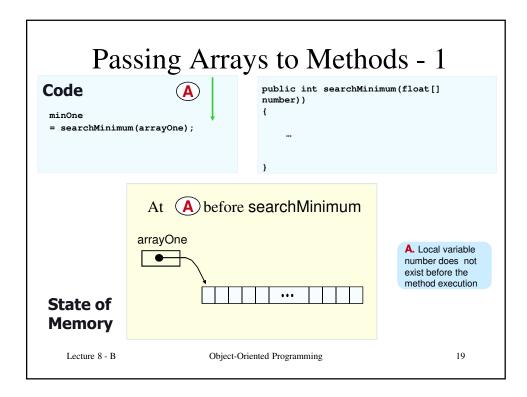


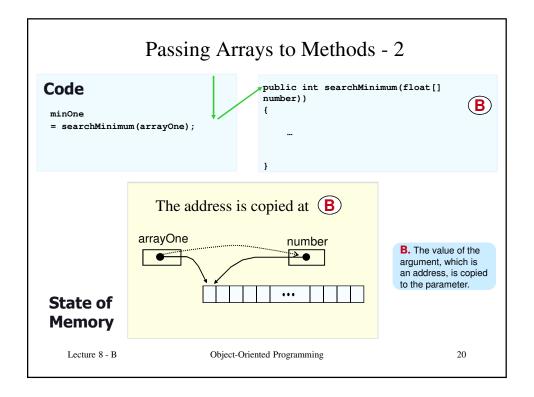


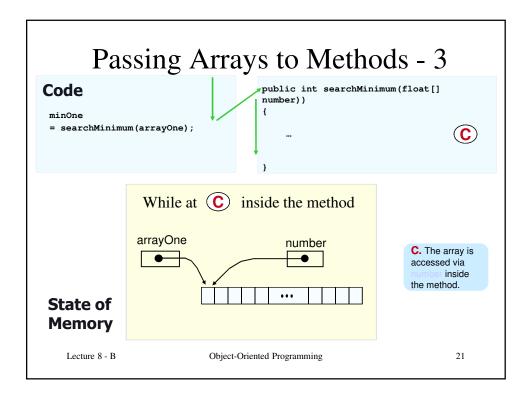


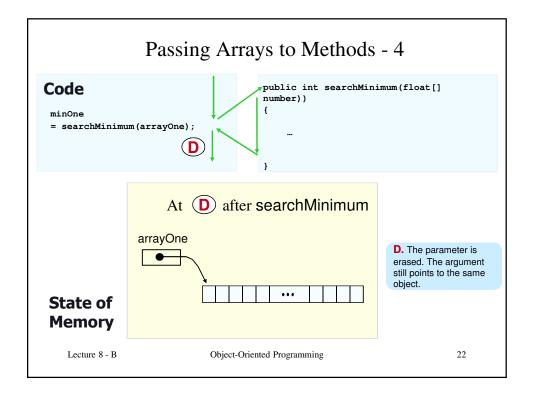




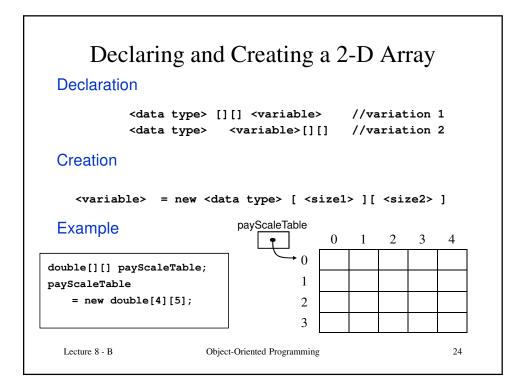


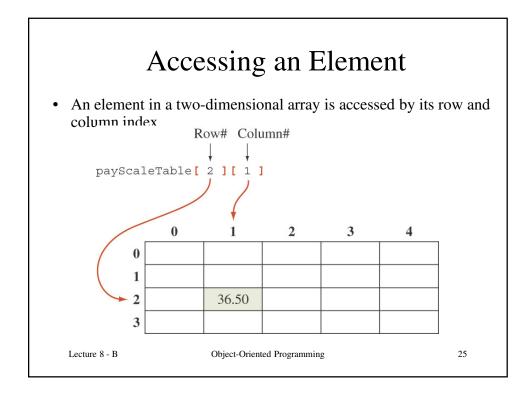


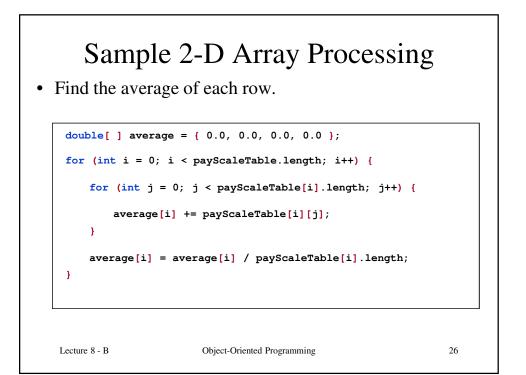


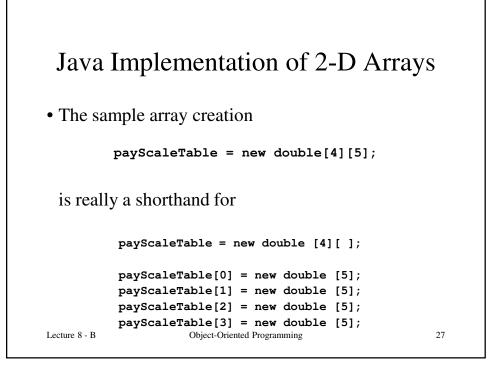


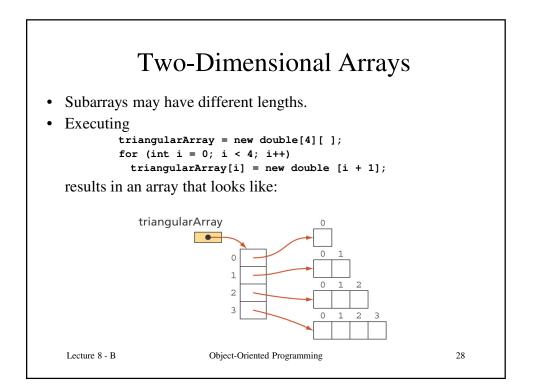
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Copying Arrays

int[] a, b; // Declare two arrays
a = new int[] { 10, 20 , 30 };
// Create one
b = a; // Make a copy of array a?

- Will this code create a copy of 'a' in 'b'?
- It will only copy the reference of 'a' in 'b'. a and b will be pointing to the same array in the memory.
- This is known as <u>shallow copy</u>.

```
Lecture 8 - B
```

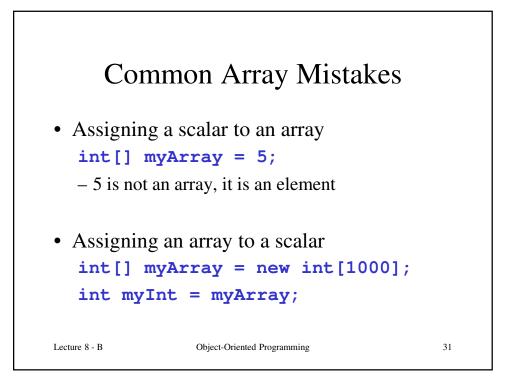
Object-Oriented Programming

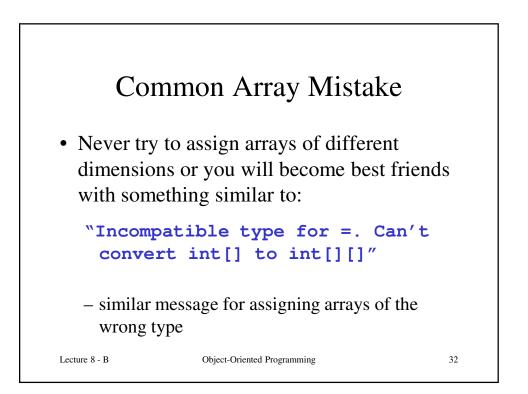
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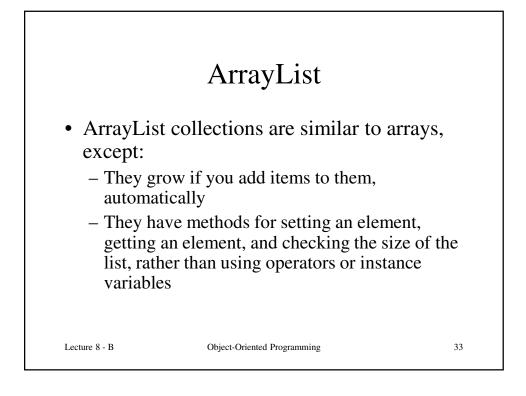
```
Copying Arrays (Deep Copy)

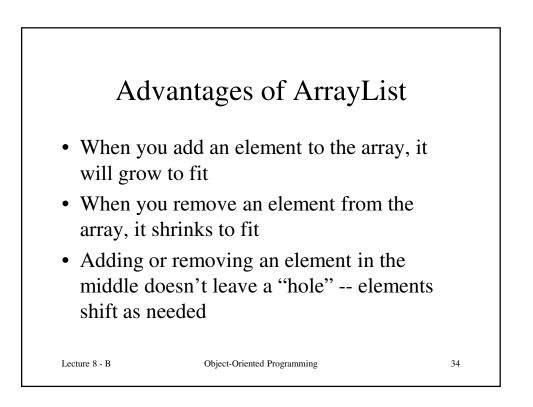
int[] a, b; // Declare two arrays
a = new int[] { 10, 20 , 30 };
// Create one
// Really make a copy of array `a'
b = new int[a.length]; // Allocate b
for ( int i = 0; i < a.length; i++ )
{
    b[i] = a[i];
}

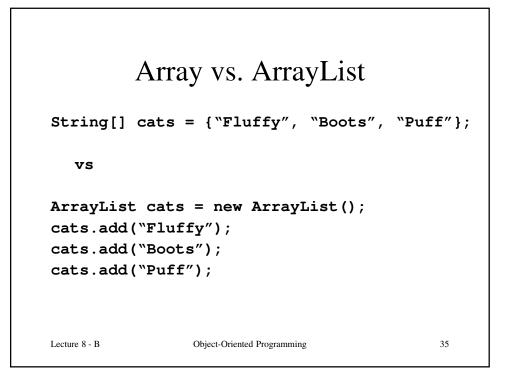
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```

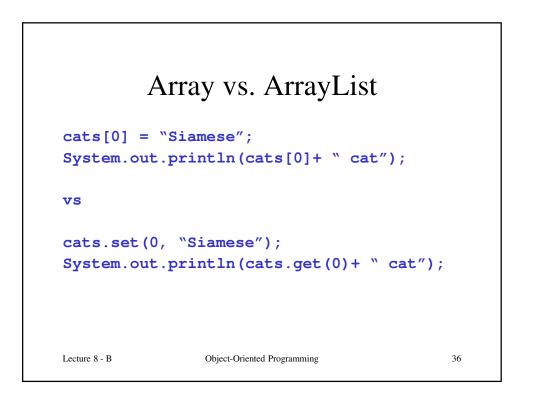


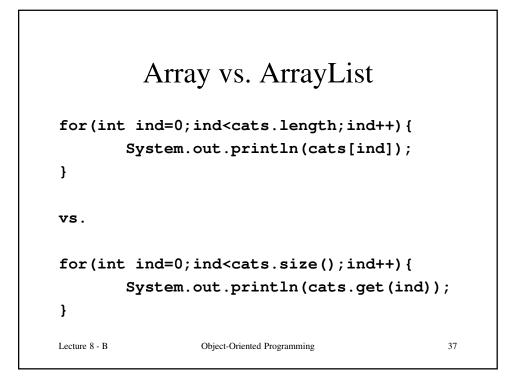


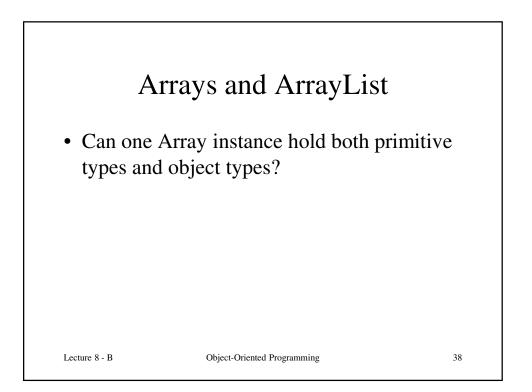


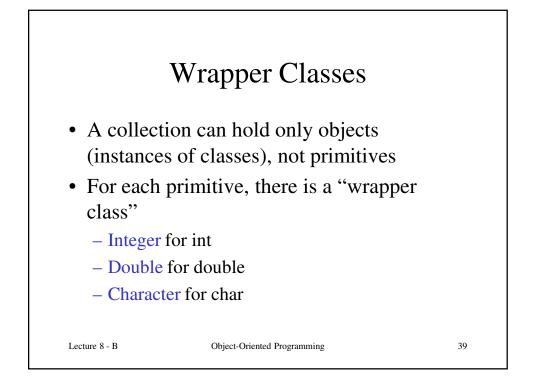


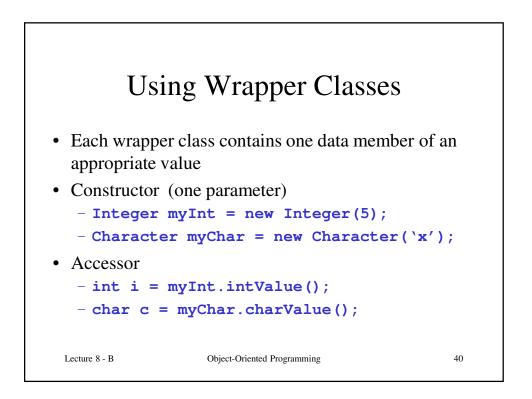


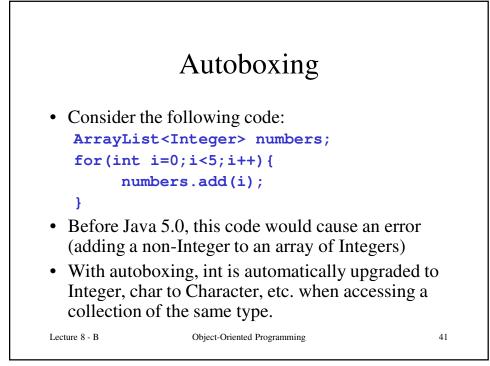


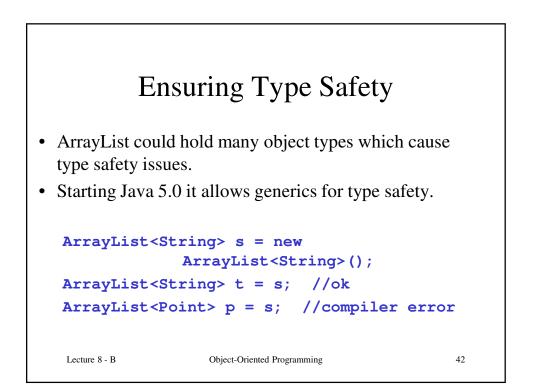


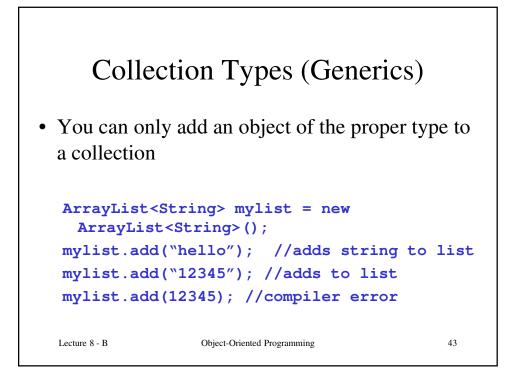


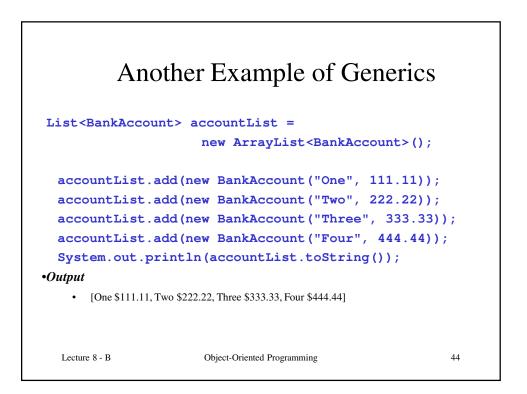












	Readings	
Book Name: (Dbject Oriented Programming in Java™	М
	rd L.Halterman	
Content: Chap	oter # 20 & 21	
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