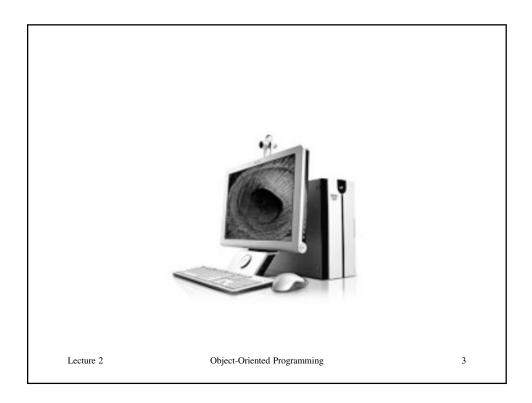
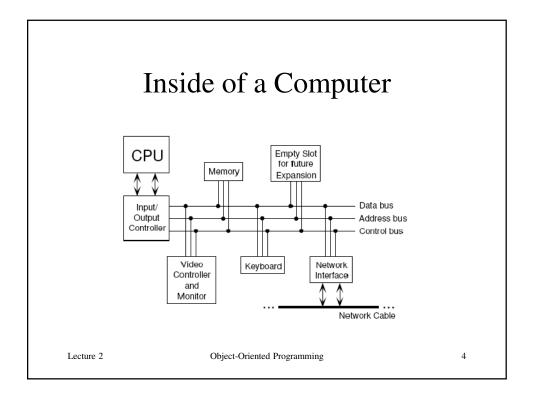
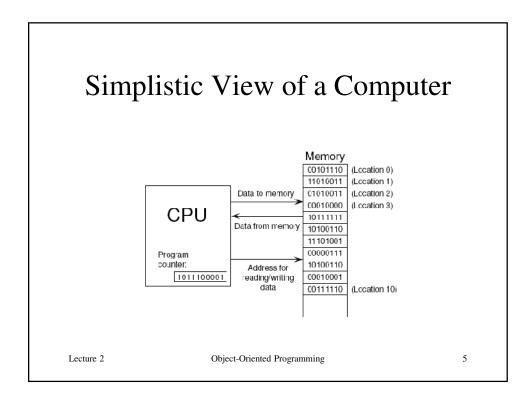
Values, Variables, Types & Arithmetic Expressions

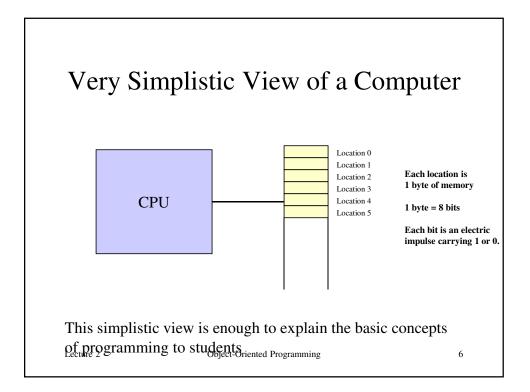
Lecture 2 Object-Oriented Programming

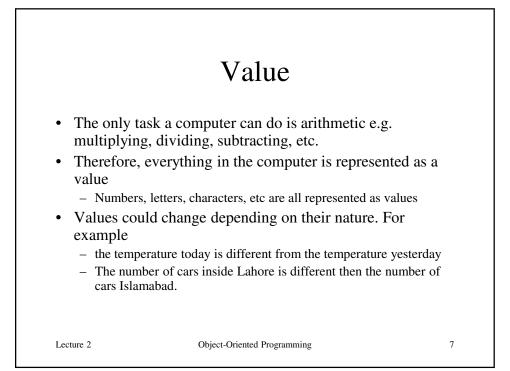
	Agenda	
• Inside of a Co	mputer	
Value		
 Variable 		
• Data Types in	Java	
 Literals 		
 Identifiers 		
• Type conversi	ons	
Manipulating		
Constants		
Reserved Wor	rds	
 Manipulating 	Values	
Expression		
-	cedence and Associativity	
 Type Convers 	•	
 Objects 	ions	
Readings		
Lecture 2	Object-Oriented Programming	2

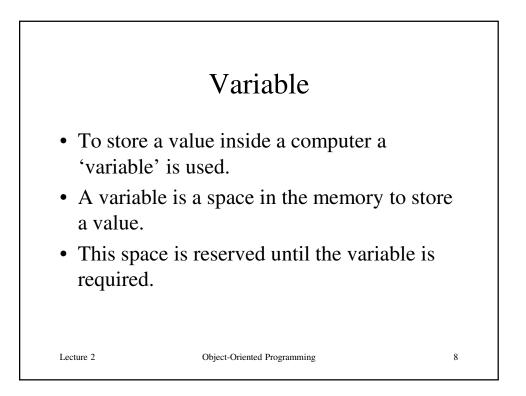


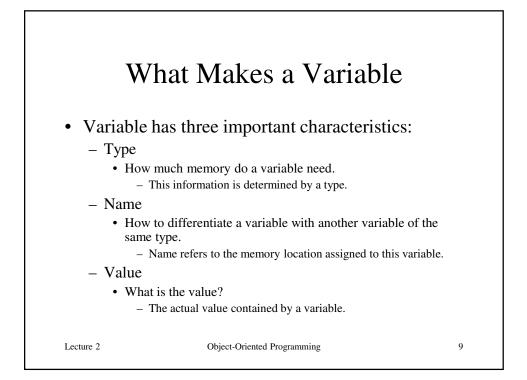


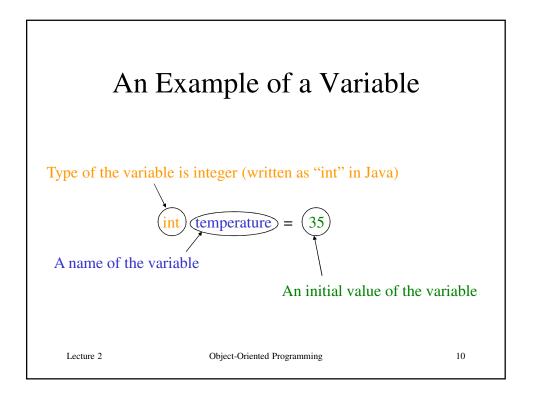


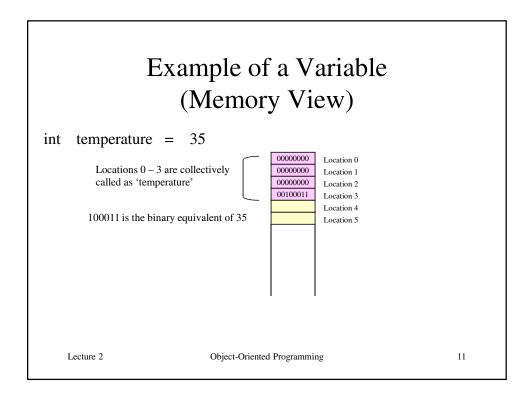


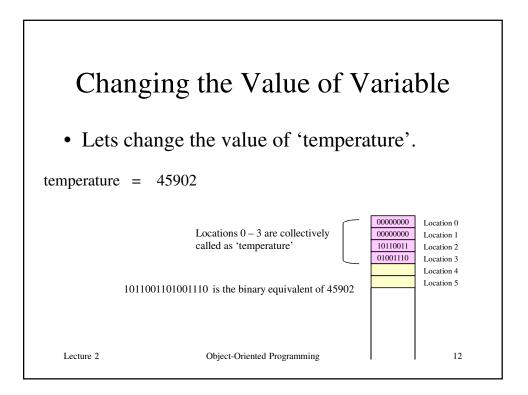


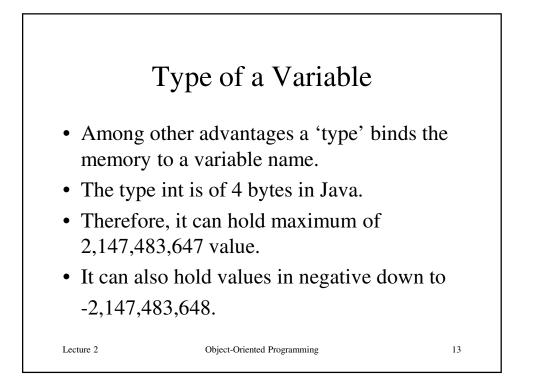


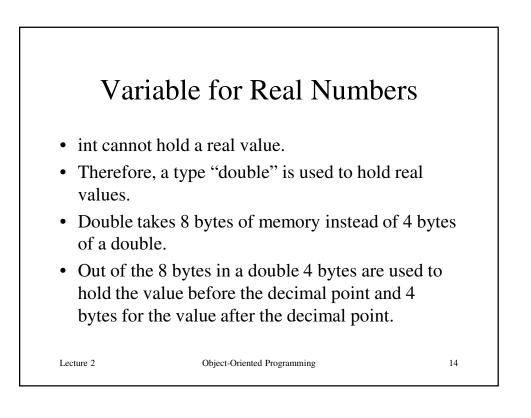


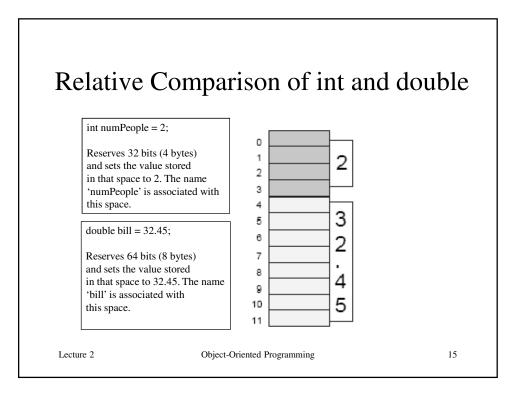












Other Types in Java				
Name	Meaning	Range	Size	
byte	byte	-128+127	8 bits	
short	short integer	-32,768+32,767	16 bits	
char	Unicode character	0+65,536	16 bits	
int	integer	$-2, 147, 483, 648 \dots + 2, 147, 483, 647$	32 bits	
long	long integer	-9,223,372,036,854,775,808 +9,223,372,036,854,775,807	64 bits	
float	single-precision floating point	$\pm 3.4 \times 10^{+38} \dots \pm 1.4 \times 10^{-45}$ with at least 7 decimal digits of precision	32 bits	
double	double-precision floating point	$\pm 1.7 \times 10^{+308} \dots \pm 4.9 \times 10^{-324}$ with at least 15 decimal digits of precision	64 bits	
boolean	Boolean	false or true	8 bits	

