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	Chapter 1 - Variables and datatypes
Timbs:	
	Just like we have some rules that we follow to Speak english (the grammar), we have some rules to follow while writing a Java program. The set of these rules is called syntax.  Vocabulary & Grammar of Java.
	Steak english (the grammar), we have some rules to
	follow while writing a Java program. The set
150	of these rules is scalled syntax.
	Vocabulary & Grammar of Java.
	3 - 60 - 1-60 - 4 - 50 - 100 1 - 50 - 100 1 - 50 - 100 1 - 50 - 100 1 - 50 - 100 1 - 50 - 100 1 - 50 - 50
	Variables
	A variable is a Container that Stores a Value
	A variable is a container that stores a value.  This value can be changed during the execution of the program.
	of the programment shows and
	Example:
1	Int number = 8; Value it Stores!  Data type variable name
	Vata type variable name
N. C.	D. L. law declaring a Variable name
	Rules for declaring a variable name. We can choose a name while declaring a Java variable if the following rules are followed:
	if the following trules are followed:
- 18	Start of a later remains many of the profits
17	Must not begin with a digit - int larry; is invalid!
7.7	Name us case sensitive harry and harry are different!
37	Should not be a keyword (like Void)
47	White Space not allowed - int Code With Harry: 15 invalid
57	Can contain alphabets, & character, _ character and digits if the other conditions are met
	the other conditions are met
-	Data lypes of a many many analy & to had at
1800	Data Types  Data types in Java fall under the following Categories  Primitive Data Types (Intrinsic)  Non-Primitive Data Types (Derived)
17	Primitive Data Types (Intensic)
27	Non-Primitive Data Types (Derivea)
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	Primitive Data Tubes and and a saldad
	lava is statically typed variables must be declared
6	Primitive Data Types  Lava is Statically typed> Variables must be declared  There are 8 primitive data types supported by Ja  byte -> Value ranges from -128 to 127  • Takes 1 byte  • Default value is 0
1/1/	byte → · Value ranges from -128 to 127
Set	· Takes 1 byte
	· Default value is 0
C L II	and the state of t
27	Short - Value ranges from - (2 1/2 to (2)/2 -1  · Takes 2 bytes
	· lakes 2 byles
10	Defoult Value is 01
3,	inh 2 1/2 1/2 -1
77	Takes 4 huke
	int -> · Value ranges from - (232)/2 to (23/2-1  • Takes 4 byks  • De fault value is 0
	That who is the property of the state of the
47	float -> Value ranges from (see Docs)  Takes 4 by ks
h 1	· Takes in the bytes a marketist the do
a litturi	w me a gover De bult Value is D. of warms in s
	1 Johnson Maries Our Johnson
57	long → · Value ranges from - (2 )/2 to (2 1/2)  Takes 8 bytes
1 1 2 11	• Default Value is 0
100 1001	• Default Value is o
6,	double - Value ranges from (see docs)
-1	strell look . Takes 8 bytes I stated it mindred me
	double > Value ranges from (see docs)  Takes 8 bytes  Default Value is 0.0d
7	
7,	Char - Value ranges from 0 to 65535 (2'-1)
7.4	Char → Value ranges from 0 to 65535 (216-1)  Takes 2 bytes → because it supports  Default Value is 'vooco'
	Mark rapid of all side your and

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	Keywords and regarded as sold
	Words which are reserved and used by the Java Compiler. They cannot be used as an Identifier.
	Compiler. They cannot be used as an Identities.
1	Go to clocs oracle Com for a
	Go to clocs.oracle.com for a comprehensive list!
	Reading Lata from the Keyboard
	In order to read data from the keyboard, Java
	has a scanner class.
	Scanner class has a bit of methods to read the
	data from the keyboard
	5 canner 5 = new Scanner (System in);  int 0 - 9, next Tot 1):
	Read from the keyboard
	THE U. S. INC.
o h	Method to read from the Reyboard
toh	(Integer in this case)
sat his	in need to making the Miney Max Jalua of hear of
	Exercise 1.1
	Write a Program to Calculate percentage of a given Student in CBSE board exam. His marks from 5
dely	student in CBSE board exam. His marks from 5
	subjects must be taken as input from the purposed
	(Marks are out of 100).
4	land from to 101.
	Jakhil tool 7 6 7101
	Comment on a desired stands of the formation of the stands
	A - r Character Liver
	May be worked by the
	Jasin Rusic & "washi"