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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:
P	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	St love of the King Manner Supplied to be ordered
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
5,	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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2> Short -> Value y Takes Defoult 3> int -> Value Take Defo 4> float -> Value Take Def 5> long -> Value Take Defe 6> double -> Value Take Defe	anges from $-\frac{(2^{16})}{2}$ to $\frac{(2)}{2}$ - 1 2 by les Value is 0
2> Short -> Value y Takes 3> int -> Value Take Take Take 1> Float -> Value Take	anges from $(2^{16})/_2$ to $(2)/_2 - 1$ 2 by ks Value is 0
2> Short -> Value y Takes 3> int -> Value Take Take Take 1> Float -> Value Take	anges from $(2^{16})/_2$ to $(2)/_2 - 1$ 2 by ks Value is 0
2> Short -> Value y Takes 3> int -> Value Take Take Take 1> Float -> Value Take Take	anges from $(2^{16})/_2$ to $(2)/_2 - 1$ 2 by ks Value is 0
2> Short -> Value y Takes Defoult 3> int -> Value Take Defo 4> float -> Value Take Def 5> long -> Value Take Defe 6> double -> Value Take Defe	anges from $(2^{16})/_2$ to $(2)/_2 - 1$ 2 by ks Value is 0
3, int -> Value Take 1, float -> Value Take	hadden and out I hadden to the
3, int -> Value Take 1, float -> Value Take	hadden and out to be the state of the
3, int -> Value Take 1, float -> Value Take	hadden and out to be the state of the
3, int -> Value Take Defo 4, float -> Value Take	hadden and out to be the state of the
4 > float → Value Take 5 > long → Value Take C > double → Value Take Defe	100,000 [0,000 [0,00]
4 > float → Value Take 5 > long → Value Take C > double → Value Take Defe	ranges 14011-11-12 to (2)/2
4 > float → Value Take 5 > long → Value Take C > double → Value Take Defe	ult value is one
5> long -> Value Take Defe 6> double -> Value Take Defe Defe	the same string and a solid
5> long -> Value Take 6> double -> Value Take Take Defe	sury bytes of the Docs
57 long -> Value Take 67 double -> Value Take Defe	
6, double - Value Tak Defe	ault value is no of wards in s
6, double - Value Tak Defe	ranges from - (2)/2 to (2 4)/2.
6, double - Value Tak Def	s 8 bytes that miped to be 1
6, double → Value Tak Def	wit Value 1600 and 2 20 Rt Ment
	did browned of sol love bloom
	ranges from (see docs)
	es 8 bytest 1 identidis militar me
7, Char -> Vo	ranges from (Sec docs) es 8 bytes docs ault Value is 0.0d
	1 () ()
Let almosty like in	lue ranges from 0 to 6,5535 (2-1)
• De	ikes 2 bytes -> because it supports u
	lue ranges from 0 to 65535 (216-1) akes 2 bytes -> because it supports u foult Value is 'vocoo'

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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 + 101.
	Jakhil tool 7 6- 21:01
	Comment on a desired stands of the formation of the stands
	A - r Character Liver
	May be worked by the
	Jasin Rusic & "washi"