_	
-	Java Course By Code With Harry
1	Java is an Object Oriented programming language developed by Sum Microsystems of USA in 1991
	It was originally called Oak by James Gostin one of the inventors of Java!
	JAVA = Purely Object oriented
	How JAVA Works? Jova is compiled into the bytecode and then it is interpreted to machine code
2	Source Compiled by te code Interpreted Machine Code for a given Code
27	JAVA Installation. Go to Google & type "Install JDK" => Installs JAVA JDK Go to Google & type "Install Intellis I Idea" => Installs JAVA IDE
	JDK -> JAVA Development Kit = Collection of tools used for developing and running Java programs
	JRE -> JAVA Runtime Environment = Helps in executing programs developed in JAVA
_	The second of the second of
_	

	Basic Structure of a Java Program
3353	backage com-company; -> Groups classes!
610	Entrypoint into the application
	hublic class Main &
	buldic static void main (String 1) args) }
1	Sustem out hintly ("Hello World");
No. No.	public class Main & public Static Void main (String [] args) & System out println ("Hello World");
	3 inhaire hydo phont = AVAL
	Namina Conventions
	Naming Conventions For classes, we use Pascal Convention First and Subsequent Characters from a word are Capital letters (uppersse) Example:
	Characters from a word are Capital letters (ubberuse)
	Example:
(W)	Example: Main, My Scanner, My Employee, Code With Harry
	Michael Land Land
\rightarrow	For functions and variables we use camellare Convention.
	For functions and variables, we use camelCase Convention. Here first character is lowercase and the subsequent
	characters are uppercase like below:
1414	Characters are uppercase like below: main, my Scanner, my Marks, Code With Harry
£. 153	we do not a real should have adole a shoot of and
	in to notable = in transdeposit AVAI + XIII
4000	well wereness have a idelycet and begin to
9 9	
Turas.	18E - MAVA Runting Forgonnent = 26/25 10 0
	AVAL of biscircula incarposal

12

-	
	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	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)
-	de la constantia del constantia de la constantia de la constantia del constantia de la constantia del constantia de la constantia de la constantia del

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 [0,0]
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 (See docs) es 8 bytes donn't value is 0 od
	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'

,							
	Keywords and regard as not a lot						
	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 lot 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"						

	EDG3	
	Chapter 1 - Practice Set	
1	Write a program to sum three numbers in Ja	ya
2 =	Write a program to calculate CGPA using of three subjects (out of 100).	marks
3	Write a Java program which asks the user enter his/her name and greets them with text. "Hello < name >, have a good day" text.	to th
4	Write a Java program to convert Kilometers miles	to
5 =	Write a Java program to detect whether a entered by the user is integer or not.	number