_	EDGH
_	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? Java is compiled into the bytecode and then it is interpreted to machine code
	Source Compiled by te code Interpreted Machine Code
	JAVA Installation. Go to Google & type "Install JDK" => Installs JAVA JDK Go to Google & type "Install Intellia 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
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	 ○ Public ka use ise liya karta ha taki throughout function usa kabhi bhi use kiya ja saka. ○ Jab bhi ham class ka use karta hai Object ko declare kiya bina then ham static ka use karta hai. ○ Yaha return data type mai always void hota hai iseliya. Hamna void ka use kiya hai. 	EDG3_				
	Basic Structure of a Java Program					
	buckage (am. Cambany) -> Groups classes!					
backage com. company; -> Choups classes: Entrypoint into the app						
	bublic class Main &		⊙ Command line			
	bullic static Void W	vain (String [] args) 3	argument. Ya baki language mai optional			
	System.out. pri	ntln ("Hello World");	hota hai but Java mai compulsory hai always			
	3		likhna.			
2 Salmaith Lando Marin - AVA						
	Naming Conventions	V MANNA AVAI				
>	For classes, we use Pascal Convention. First and Subsequent					
characters from a word are Capital letters (uppe						
	Example:					
		My Employee, CodeWi	Harry			
			8			
->	se Convention.					
	Here first character is	lowersage and the	Rubseauent			
	characters are uppercase	like holowi	IAI			
112	main, my Sanner, my Marks, Code With Harry					
		J. Wary				
		and I will by the	MI			
			141			
		AND ADDRESS OF THE PARTY OF THE				

	ELG1
	Chapter 1 - Variables and datatypes
	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.
	Variables Vocabulary & Grammar of Java.
	A variable is a container that stores a value. This value can be changed during the execution of the program.
	Example: int number = 8; Value it Stores! Data type variable name
	Rules for declaring a variable name. We can choose a name while declaring a Java Variable if the following rules are followed:
37	Must not begin with a digit - int larry is invalid! Name is case sensitive - harry and Harry are different! Should not be a keyword (like void) White Space not allowed - int Code with Harry: is invalid Can contain alphabets, \$ character, - character and digits if
	Data Types Data tubes in Java fall under the following Categories
22	Primitive Data Types (Inteinsic) Non-Primitive Data Types (Derived)

•	
	Primitive Data Types
a.	Java is Statically typed. Variances must be declared before There are 8 primitive data types supported by Java: byte - Value ranges from -128 to 127
al Las	hule will be kander Grand 138 la 127
171	Dyre - value ranges from - 120 to
776	akes 1 byth
	· Default value is 0
25 1 11	16 1 1 16 1 16 1 16 1 16 1 16 1 16 1 1
27	Short - Value ranges from - (2)/2 to (2)/2 -1
	· Takes 2 bytes
- 91	Defoult value is 01
Mak.	was and small tradition of many minds
3,	int -> value ranges from (23/2 to (23/2-1
	· Takes 4 byks
	De fault value is on
	a like a many option of a model of the state of
47	float -> Value ranges from (see Docs)
	· Takes 4 bytes o marketish 14 de
Middle	Default Value is 0.0f
	I the Librarian turks our bollowed in
5,	long -> · Value ranges from - (2 1/2 to (2 1/2 -1
1).	· Takes 8 bytes
I hardi	· Default value is 0
A.	Thick said house of and low thems
6,	
67	Tabes a hile
	· Takes 8 bytes · Default Value is 0.0d
	Defaux votue 13 0.00
7.	char - Value manage Gran A L (EE 25 (215-1)
	char - Value ranges from 0 to 65535 (21-1) Takes 2 bytes -> because it supports unice
64	Takes L Dytes Declared I supported
	De joult value 15 100000
	i bridge the state of the state
<u> </u>	

	Keywords and sure and a sure of the sure o
	Words which are reserved and used by the Jan
	Words which are reserved and used by the Java Compiler. They cannot be used as an Identifier.
	Go to clocs oracle Com for a
	comprehensive list!
	Reading data from the Keyboard. In order to read data from the keyboard, Java
	In order to read data from the Reyboard, Java
	has a scanner class.
	Scanner Class has a bet of methods to read the
	data from the keyboard
	County Constitution (Constitution)
	Scanner 5 = new Scanner (System.in);
	int a = g. next Int (); Read from the keyboard
- 1	Method to read from the keyboard
100	(Integer in this case)
was the	The second and which and second of hash of
	Exercise 1.1
	Write a Program to Salculate percentage of a given
Malon	Student in CBSE board exam. His marks from 5
	Subjects must be taken as input from the keyboard.
	Subjects must be taken as input from the kyboard. (Marks are out of 100).
4	Variable Franker + 101.
	1001 tool + 1101
	Comment of the Stands in Stands of the second
	distributed in the
	derived and the west
	Joesin report to "marshi"