5/08/22	VARIABLES AND DATA		•
boilerplate cocle:	cocle which is written ever	J Time	
hublic class Nam	e-of-ste {		
public static	void main (strong args []) [
	3		i .
OIP in Java	(" Wallow latoralate") . wt umin a	/	
System. out. 100	nt) ("Hello World!"); etumina		
June			
Jo mun: cd hath	-of-file		
Javac Ji	le-rame for compilation		
Java Jil	d-name for sunning		
* (huntler)."")	=> ofter print statement give spar	or	(n)
Print pattern	***		9
	* * *		A.
	*		
Variable in Java			
1. to al. Don not.	change eg: 2,3, 'a', b' y eg = a, b, c, y class name, variable name ne, class name, variable name	2.	
Thomas was	eq. a, b, L,		
Valuables 'Aline' mar	Le class name, variable name		
identifut J			

Memory

a to rome

shiv

Renu b

* * 1

int $\alpha=10$ => 10 Sop(α)	
Data Types in java Java is typed language: Ille we hat. Data Type	type of clata you wont to us
	Non-primitive
primitive	String
leyte 16 [-128 to 127]	
Short 26	Array
char 26 [a'to z']	Class
boolian 16 [true, Julie]	obeject
int 46 [-2Billion to +2Billion]	Interface
long 86 for long int	
decimal	
floot 46 decimal	
double 86 joulong decimal	
97 lait	
Comments in Java	

Single line comment: //
Multi line comment: /* wde statement */

code:

Renu b

Inhut in Java nextEloat nextrong rext next Double nesethine netInt nextBoolean nextshort neutByte import java. util. *; 11 Boilerplate coole stanner et = new Scanner (System. in); dype von rome, string infant = sc. nesct ();
So.p (infant) one word → String name = sc nextline(); S.o.p (name) rulliple line > int number = sc. nextInt(); S.o.p (number); number > float price = sc. next float (); S.ap (price) * 3.14 => float (any decimal)

3.14 => float

Renu b

Type Conversion/weidering	a conversion / implicit conversion	
Conversion traffiens whe		¢ ,
a) type compatible	6) destination type > source type	
legte > short > int > float >	long > double	
Type costing/narrowing c	onversion/Explicit conversion	
foreign conversion word to rost int b= (int) a		
'a' > 97		
Type promotion in Expression Only applicable in lockression	<u>on</u>	
Java automatically powrite when evaluating an exp	olus lach byty short, or char operand to in	
If one operand is heromoted to long,	brussion. long, float or double the whole express float, or double respectively.	ion is
g: leyle 6=5 g: leyle 6=5 pint bytel bytel bytel	leyte b=5; b = (leyte) (b * 2);	
Hous in new cools Munning	Byte Cocle > JVM -> Native cocle class Execution	
java	class Execution	Renu

Renu b

· Portable: Native cocle adjust acc. 10 OS

JOX

JVM + Liabrus + Development look

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