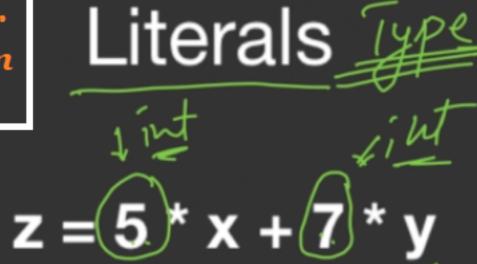
	ELG1
	Chapter 1 - Variables and datatypes
	Just like we have some rules that we follow to speak english (the grammar), we have some rules to follow while writing a Java program. The set of these rules is called syntax. Vocabulary & Grammar of Java.
	Variables Vocabulary & Grammar of Java.
	A variable 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)

	EDG9
	Primitive Data Types
*	Java is Statically typed Variables must be declared before us
	There are 8 primitive dala types supported by Java:
1	byte - Value ranges from -128 to 127
115	· lakes 1 byte
	· Default value is 0
12 6 1 11	(16)
27	Short - Value ranges from - (2" /2 to (2)/2 -1
	· Takes 2 bytes · Defoult value is 0
- 91	Defoult Value is O
Michigan	132 1 1 1 1 32 1 1 1 32 1 1 1 32 1 1 1 1
3,	int -> value ranges from - (232)/2 to (23/2-1
	De fault value is our
*	De fault Value 15 0 m
	at the party of the state of th
47	float -> Value ranges from (see Docs)
61	· Takes 14 bytes o manualist 14 del
A September 1	Default value is 0.0f vans
	Landled The Establish Milander 1864
5,	
1).	· Takes 8 byles
1 harieli	• Default value is o differen
	*Unicode availab
6,	double > Value ranges from (see docs) value in world such
-	· Takes R bytes Hindi & cubset
	come under United to
7,	char - Value ranges from 0 to 65535 (21-1)
3.0	· Takes 2 bytes -> because it supports unuco
	· Default Value is '100000'
	I have seed to be the state of

	Keywords and sure and a sure of the sure o				
	Words which are reserved and used by the Join				
	Words which are reserved and used by the Java Compiler. They cannot be used as an Identifier.				
	Go to docs oracle Com for a				
	comprehensive list!				
	Reading data from the Keyboard				
	Reading data from the Keyboard. In order to read data from the keyboard, Java				
	has a scanner class.				
	Scanner Class has a bet of methods to read the				
	data from the keyboard				
	Tradition that (longer) almost (and love park)				
	Scanner 5 = new Scanner (Syskmin):				
	int a = g. next Int (); Read from the keyboard				
	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"				

literals refer to the fixed values or constants that are directly used in the programs.





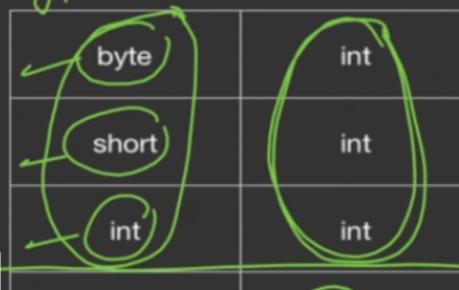
int value=25;

double price = 153.75;

area = 3.1425)* radius *radius;

String str="Java";

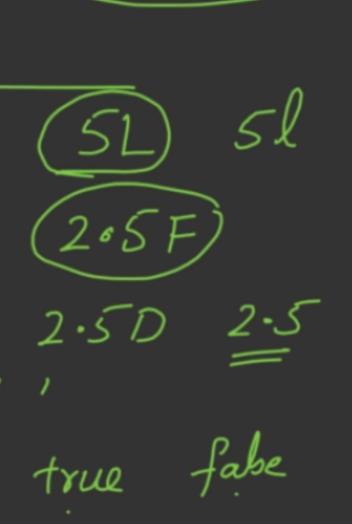




byte b=5; short s=25;

By default jab ham java mai point mai koi value likhta hai to wo as double consider hota ha iseliya hama jab float use karna hota ha then ham digit ka baad 'f' lihta hai (i.e. 2.5f).

long	L or ì
float	Forf
double	D or d
char	···
boolean	true/false



Ham literals ki value likhna ka liya kisi bhi method ka use kar sakta hai.

Note: jo orange sa underline hai wo denote karna ka liya use hota ha use data type koi.