」.	
Variables & Daratype	Page No.
Tust like we have gorne &	wes that we
pollow to speak english (-	
we have some sure to f	follow which
woiting a Tava progreum.	The set of
these sures is called synto	χ.
$\rightarrow$ $\vee$	loculabulary 4
	Grannoer in Taud.
Variable	
-A variable is a Con	
a Value. This Value can be	z changed alusing
the oxcurring the progress	ne.
Example:	
	<b>\</b>
int naueper = 8	store!
	9,1000;
Dara Type Variable Name	
) 140016	
Dilas dans Declaration of the	ajakla alama!
Rules for Decleaning a Va	mane Manne.
II- Can Chansa a r	Darbo allah
We can choose a r	eta eta Lauraina
decleaning a java variable sule one followed.	1) The Dallacanted
Eule one followed.	

		Page No.
	2] Must Not begin with a digit	
	2) Nouroe is case zensitive -> Teyous 4  3) Should NOT be a keyword	
tp a-	4) White space not allowed	9.39.71
	5) Can Contain alphabates, \$0 4 digits it other Condition	throacter, - Characters
	Data Type  Data Type in java feel ur lategory.	der tee pollowing
	2) primitive Doute Type 2) Non-primitive Doute Type (Den	
2:	Calculation of the state of the	And the second

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Date	150	1	

Pm	יולוח	re	I	cut 9	1	7	pe	
		TE IS				T		

tam is statically typed ->

Variables must be decleared bepose use!

There are & primitive doubly type supported

1) byte -> · Value source prom -128 +0127 · Take I byte.

Depeut Value is O.

2) shoot > Value sange from - (216)/2 to (2)26/2-20

· Take tood byte.

· Depeut volue is O.

· Value songe from (ser Dors)
. Take 4 byte.

· Deput vales is 0.0f

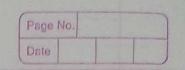
4 long -> Value & conge from - (216)/2 to

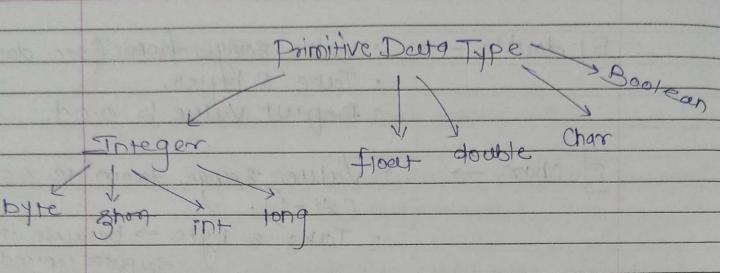
· Take 8 byte · Deput value is O.

Page N	9.		
1		-	-
Date			

	5) double -> · Value songe from (sec docs)  · Take 8 bytes.  · Deput value is 0.0d.
	· Take 8 bytes.
	· Deput value 1s 0.0d.
	Take 2 byte → because it  • Repett value is '\ 0000'.
	(216-1).
	· Take 2 byte -> because it
	1 support unicode.
	· Repett value 95 1,0000.
BET	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
	(2)32/20-1
×11	· It take a byte.
	· Deput value is O.
	8] Boolean - · Value Coun be, true or feulse.  - Size depends on JVM.
	teuse.
	· size depends on TVM.
	Depeut value is peuse.
-17	en ar raidmont off of harpiage
	les will be an
	Buick Buiz: Write a progreem to add
	Buick Buiz: Write a progreem to add  three numbers.
	Assistant destrict the set of
	termination to the second state of

How to Choose down type for our variables.





In order to choose the dotta type we pirst need to find the type of dotta we want to store. After that we need to analyze the min 8 max value we conject use.

Literals

A Consteent Value which can be assigned to the variables is counted as a literal.

101 -> Integer Literal

10.1f -> floor Literal.

10.1 -> double Literal

'S' -> Character Literals.

toue -> boolean Literals.

"Tejas" -> Storing Literal.

-198 9911 Page No.

Keywords:

Woods which Can be Esserved & Used by the java Compailers. They Cannot be used as a Identifier.

## Reading Data From the Keyboard

In orders to sead data from the keyboard, Java has a scanner class.

Scanner class has a lot of methods to sead the data from the keyboard!

3 canner 3 = new scanner ( &ystern. in)

Read from the keyboard.

int q = g. next[n+()

rejethed to gead from the keyboard

Fxercise 1.1.

Write a progresson to Calculate

percentege of a given student en

CBSE board Exam. His morks from

5 zubject must be teuten as input

from the keyboard. (rejorks one out of 100)

Page No. Procrice Ser - Write a program to sure: the three e) Write a progrecero to Calculate CGPA using marks of three student (our of 100) s) Write a java program unich asks the user to enter his her name if greet there with "Hello chare, have a good day" text. 9) write 9 jour progress to convert kilomers to miles. 5] Write a Toug progressor to detect whether a number entered by the user is itteger or not.