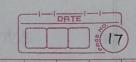
	DATE
×	Conditionals in Java.
	or control statement first part
	- Their returns formation on home = !
0	Decision making instructions in Java
	and an aux branding and remaining the
•	If - Else statement Control statements
	Switch statement. Conditional if else if else if else
	2> Iteration: Loops
0	If - Else statement.
	The syntax of If-Else statement in java looks
	The syntax of Tf-Else stadement in java looks like" C, C++ and JS
gi	pigal solving of 6200 2 go university of
	if (condition-to-be-cherked) {
	Statement-if-condition-true;
	5 Compression OMA 4
0000	else & at at al 3: and at satural
	statement - if - condition-faise;
	3 TOUR TRANST
	TEAL TEAL TEAL
	Example 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7
	int a = 29;
	f(a>18) §
	System out point (" You can drive")
31	within any time to another extendent
1	Note: Else block is optional.
	The state of the s
	The Total Control of the Total Control of the Contr
K	Relational operators in java.
	Fixed the Time I do the
	Relational operators are used to evaluated cond
	(true or false) inside the if statements some
	examples of relational operators are:
parn.	==, >=, > <, <=, != and
	== ,>= ,> ,< ,<= ,!= equals . > Not equals



- '=' used as assignment operator and'==' is used for comparision/equality check. Condition can be either true or false * 22 (Double ampersand), 11 (pipe operator) and ! (not) are most commonly used operators in Java. They are read as! && -> Logical AND used to provide logic to 11 - Logical OR program. -) NOT ► AND operator Evaluates to true if both the conditions are T&&T -> T T&& E > F True TT F&&F -> F False > F F&&T >F DR operator Evaluates to true if any one condition is true. In Not operator Negates the given input
 - like True becomes false and false becomes



! T ⇒ F ! F ⇒ T

Else-If dause / statement

also use else if along with if thus it forms a if - else if -else ladder.

Using such kind of logic reduces indents

Last else statement will only get executed

if all the conditions get fail.

if (condition)?

// statement

else if (condition) {

11 statement

else §

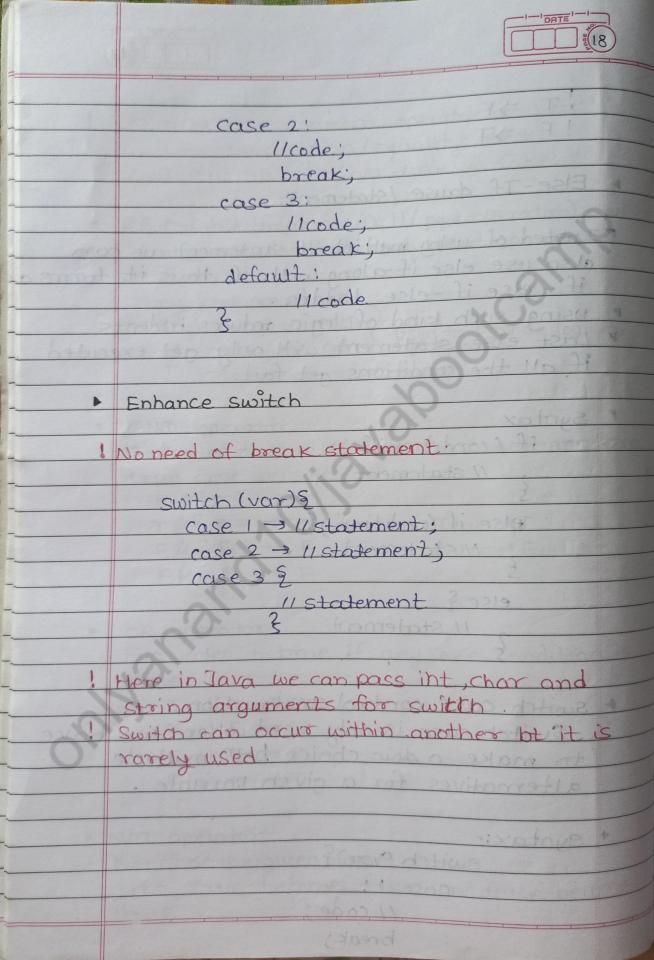
? 11 Stadement

Switch case control Instruction.

Switch case is only used when we have to make a spic choice beth multiple alternatives for a given variable.

+ syntax:

11 code;



Iteration Control Statements 19

(Loops)

- · sometimes we want our program to execute a set of instructions over and over for again & again. For ex. print 1 to 100 setc.
- · Loops make it easy for us to tell the computer that a given set of instructions need to be executed repeatedly.
- Types of loops. Primarily there are three diff type of loops
 - 1> while loop
 - 2) do while loop and to the motion
 - 3) for loop. Les Man tomorres de la sono de
 - 17 While loop! stand the some att at the

Syntax:

while (boolean cond)?

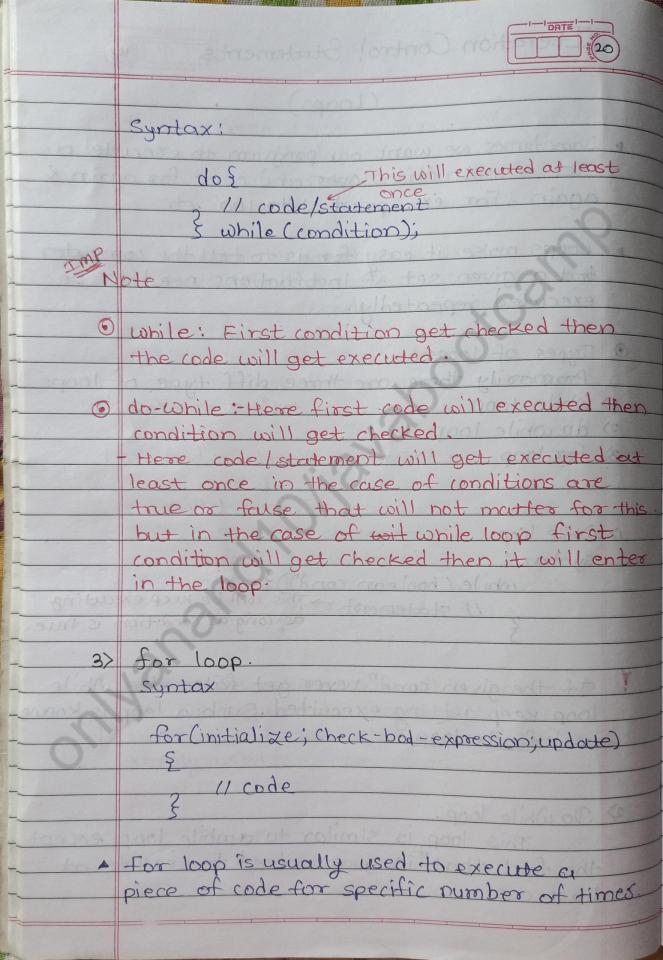
11 statement - This will be keep executing as long as condition is true.

I the given cond" never get false, the while loop keep getting execuited. Such a loop is known as infinite loop.

2) Do While loop.

This loop is similar to awhile loop except

the fact that its guarranteed to execute at least once.





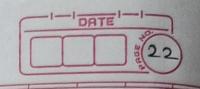
Flow of execution

-) Get initialized

- if not true / fruse it will break loop.
- -> will perform given task like x ++ , x -- , etc
- Then again condition will get checked if true then code get executed and if false then code loop get stoped.
 - -> This will goes on till the cond get false.
- * Decreamenting for loop inti = 0;

egual to" 0" will run until the value of i become

The break toop is used to exit the loop irrespective of whether of the condition is true or false.



As when ever 'break' is encountered inside the loop, the control issent to outside of the loop

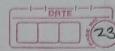
O (ontinue statement.

The continue statement is used to immediate move to the next iteration as per given condo

In a brif

Break statement completely exits the loop.

Continue statement skips the iteration/
perticular iteration of the loop.



	Type Casting.
	Type casting happens when we assign a value of one primitive data type to another type.
	of one primitive data type to another type.
	91 3315 mind agade = 1
	There are two types of type casting
0	Implicit Typerast/widening casting
2)	There are two types of type casting Implicit Typecast/widening casting Explicit Typecast/narrowing casting
	dout.
1>	Implicit type ast I widening casting
-	
	The state of the s
-	It is automatically done by compiler
-	It is also called as upcasting luidening. no loss of data happens here.
	TO 1653 OF CIQAG PROPERTY TO 16.
	byte -> short -> char - int - long double float - double
	DOWN AND CONTRACTOR
	doub Jint
2)	Explicit type cast/narrowing casting. [10-19 10
	120 64 35 16 3 4 6
-	converting larger size to smaller size.
- 1	It is manually done by programmer.
-	It is also called as downcasting I narrowing.
-	Here is chance of data loss.
-	
(double -> float -> long -> int -> char-> short -> byte