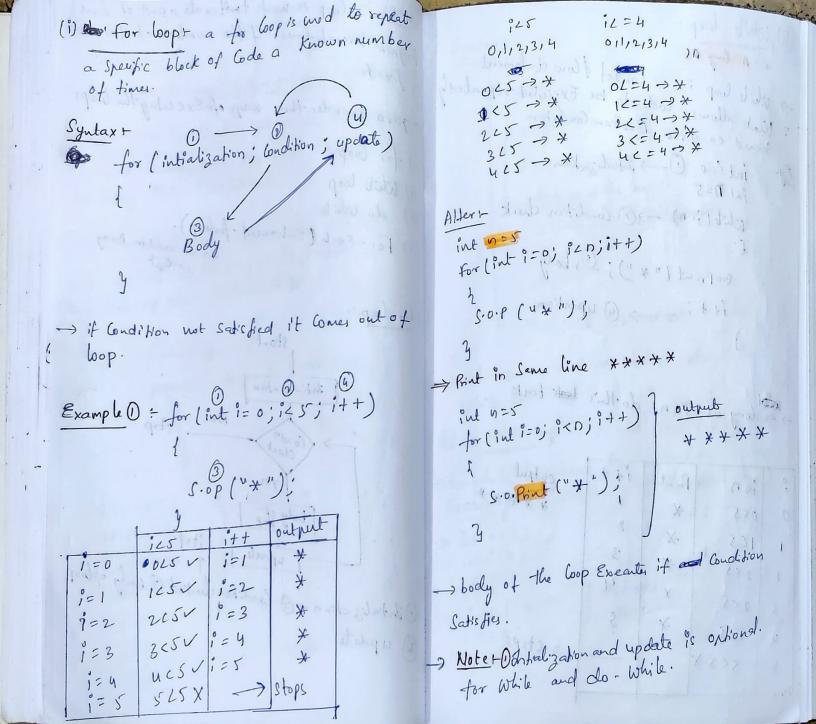
10/11/22 bops And pattern programming	
Ly Hyder Abbas.	3) loops - loop is wed to sterate a part of the pumber of iteration program several limes. of the number of iteration
The state of the s	Angram Several lines. If the number of iteration
1) Difference between System.out-print() and printly	is fixed.
a le the Content	13 gin
1) System. out Print (): only prints the Content	-1) Java provides three ways of or Executing the loops
System.out. Print!): my prosession of the next line after without switching to the next line after Executing this Statement.	(i) for loop (ii) While loop
Executing this Statement	Car little loop
() Content	(iji) do-while
3 System out Bintle : Prints the Content	(11) an to the Enhanced for loop).
the next (ne after	(iv) For - Each (Enhanced for loop). (iv) For - Each (Enhanced for loop). (iv) For - Each (Enhanced for loop). Content.
D System out Bintlal): Bints the after and switch to the next line after and switch to the next line after and switch to the Statement of the Statement	Concept
Execution of the	(i) for-loop !-
System. out print();	Chartes to the party start for watching the
Pattern Programming to print 5 stars? (i) write a program to print 5 stars?	2 day
(i) write a program to print)	Intialization No.
*	(++12812)
et ale ment.	Stop Stop
X)	Cond's Stop
S.o.p("*"); 2 Olp! * S.o.p("*"); * S.o.p("*"); * S.o.p("*"); *	yes () que
S.o.p("*");] Olp! *	1 Lower .
S-0.P (**");	body loop
3.07 (1)	Tupdate Stop
8.0.P ("*");	and halfed 3 Body of loop
S.OP (V*");	Ofnitialization > @ Condition checked @ Body of Goop
S.O.P ("X");	Constant
and repeat it To	W update
-> write program	THE WASSELL STREET
S.o.p (" *); S.o.p (" *); write program once and represent it for puntinle times.	29012 C- X 27 2 7 3 1

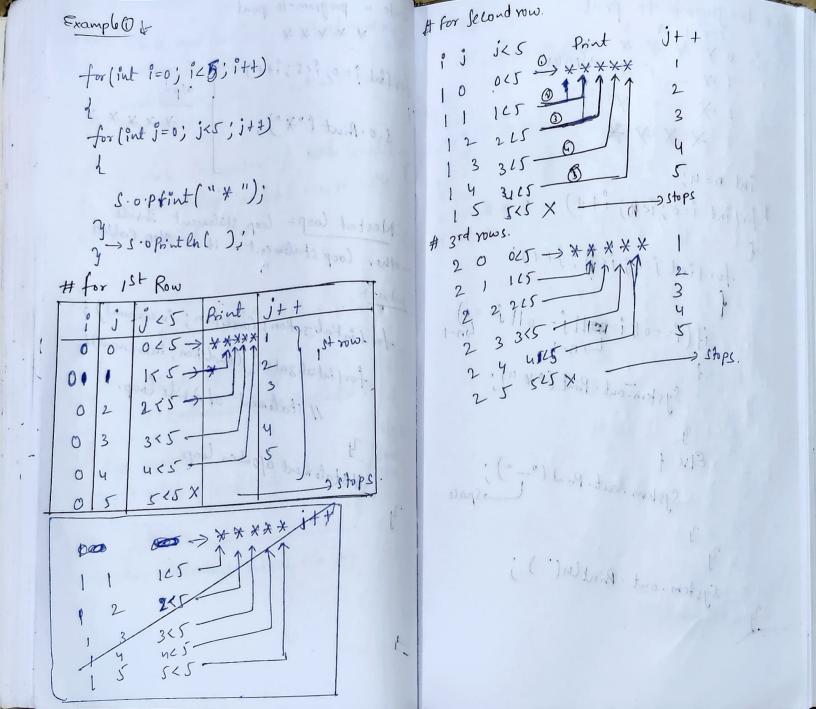


(ii) While-loop -> While loop is a Control flow statement that allows Gode to be Executed repeatedly based on given Boolean Condition. inti=0 () — thialization int n=5 While (icn) - @ Condition check S. ofrint (" * "); (3) body i++; ___ Q updation. -) as long as 12 n. do this look task * output icn **** 015 165 X 225 2<5 465 > stops

505X

Syntax + falle. while (Condition) 1 body of the loop 11 statements to be total. Executed bound updation > 11 Statement out side the Coop. -> intialization and expelation is optional for while loop. god alt to post (111) de While-loop + i's an Exit Control loop. -> do- while bop cheele for the Condition after Executing the statement of the loop body. > int n=5) do { ' > first Hatement get S-op ("* "); } & e cuted y While (ixn); -> Then Condition is checked.

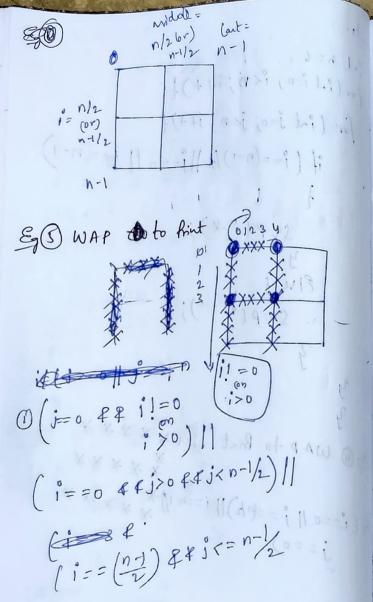
O write a program to print > both while and for-loop will if and only if Condition is true. one time also. for(int i=0; i25; i++) 5.0. Print ("*"); + * * * * > In do-while irrespective of God Condition is true (on false at bant once it will (iv) Nested Coop + Coop Statement Tride another Coop Statement. it is also called be & Excluted. both for (intialization; Condition; increment) } for (intialization) Condition; inevenent) { y statement of diside (sop.) 11 statement to be Executed 11 statement ajouter Coop. THE XXXXX C DO L) statement outside the Coop. 108 3 while (ica); is then Condition is charled



1 Write a program to print 1=0 * * * - Spales 250 * * * * int n=u; for (int i=0; ixh; i++) for (int j=0; j++) if (1==0|| i==0|| j==0|| j==0) System.out. Print (+ 4); Elve 1 System. out. Print ("-"); System.out. Printin(');

SO WAP to print Cooler * * * * * * 111 * * * * * * it [i==0 || i=n-1 || j==0 || j=n-1) (.o.p["4"); 5.0.9[4 "); Eg3 - WAP to Print 2 * * * * * * * *

for (ind i=0; ixn; i++)} for (int j=0; j<n; j++){ if (i==(n-1)/2 || j== 0 || j== n-1 S-0.P("+); Elve 1. (" "); gg WAP to Print 1:0 * * * * * **** if(i==011 i==hh)11 i==h-1/1* * * * * * *



to fint 1-0 → if((i==044) (A-1)||(j==0)|| (1:0) = = n-1 44 i < n-1) 1234 0 (==0 * 4) (n-1) $\frac{10}{10}$ (j=n-4 4flj2n-14kj20)