

Today's agenda
Today's agenda Li Problems by John Looks Li Break / Continue.
John Cooks
4 bolak Continue.
HI AIGUITO



Q) Point Reverse

to Criven an Integer N, Point all digits from Right to left.

en: N = 3726

en: N = 3726

3

llideal

6 N: 253 ~ lostdigit: N1. 10:3

N: 93725 -> lastdigit: ~100:5

N: N/10 93725 : 9372-

Scanner Scn: new Scanner (System.in);

int n: scn.new Int();

if (nee) {n: ne-1; }

while (Nee) {

int lastdigit: N°1.10;

System.out.pointln (lastdigit);

N: N/20;



	N: 93725		
	N	(astalgit	Print
while (N>O) {	93725	5	5
int lastdigit: Nº1.10;	9372	2	2
System.our.pointln (costdigit);	937	7	7
M: N/20;	93	3	3
3	9	9	9
	0		
lost J.	hen	•	

ls A variable colated inside look gels deleted once the iteration is complete.



11 For Loop basics

The iso	initalize
while (icaso)	for (intieo; izelo; 1++)
11Statement	
	11 Statement
J ****	3
	flow:
	1 time: initialize i
	Condition Jalle enit
	bue
	enecute the statemen
	update the vol



Q) Print numbers from 1 to 5 using for loop.

100	ine :	ices	; ;++) +		iess	
					T	I
	Syster	n.out.poi	ntln (i);	2	T	2
3		· · · · · · · · · · · · · · · · · · ·		3	T	3
				4	7	9
				5	T	5
				8	3	
					benit	•
	=\\\					
		7 \				



2) Count poctors	
	en a Positive number, Point all the fac
of that number	ber. Comflictely di
£_ •	N=12: 12246 12
	N=17: 1 17
Qui2	N:24: 1 2 3 4 6 8 12 24
lideat	
Minimum Loc	toe of M: T
manimum lo	tor of M: N
N:	510
<u> </u>	N.7 3 TO.7 T = 0 A
2	N 4.3 3 70 4.5 = 0 R
3	N%3 9 Jo%3 = 1 XX
4	
5	
•	
:	



11Psuedo code

	Scanner Scn: new Scanner (System.in); int n: Scn.nertInt();
chation count	Jor Cint 1:19 1<2 M; 1++) { (n % 1 = = 0) { System. out. paintln (i);
	3 De la
3	
	Lyseducing the iteration court is known as oftimization.

Q) Is Poine	ivisible by
	a number N, Prime "Prime" if the
	sime humber else "Not Prime".
Eo	: N:3 - (1,3) -> Prine
	N:13 -> L1,133 -> Paine
	N: 30 -14,2,3 203 -, Not Poince
Qui2: N=1	: Neither Poime now Composite.
118dea 4 Count +	le factors of N == 2 -1 Prime else > Not-Prime
	else > Not-Prime



11Psuedo code

	Scanner son: new Scanner (Systemin);
	int n: SchnertIntl);
	int count:0;
n courd	Jos Cint (:15 i<2 M; i++) {
	1) (n°1.1 = =0) <
	2 count ++;
19	3 count ++;
	AlgoPrep
	if (count: = 2) < s.o.p ("Poime");_
	else & s.o.p ("rot Poine"
ر ا	
	Bolak till 10:40 Pm



while	vs 3.0 6
	abl some
ind N: Sch.nentInt();	int N: Sch. nentInt();
while Cuesso > 1	108 (jux=10; m++) {
11Statement 1	S
	11 Statement
, M++5	2
loof variable is one	loop variable is being
of the influt variable.	loop variable is being colated.



11 Break Statement

Ly The moment you encute bolok Statement you exit the Current look.

100 Cine 1:35 12:55 1+31	i	iess	Print
	1	7	1
if (i == 3) 1 boeok;	2	T	2
1 60000	3	T	
System.ow.pointln (i);			
3			

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Quiz 3:	i	ies	Print
	0	T	0
for (ind 1=0; ics; 1+1)4		T	1
if (i>2) Polak; 3	2	T	2
System.out.point (it "")	3	T	

				ies	Prins
Lor lin	leo; ics	; ++)4	P	T	
2	ystem.out.b	oint (i+ " ")			
-					



1/ Continue Statement

b skip and go to nend iteration.

2	1	4
L	M	
_	•	•

1<5	Print
T	D
T	1
T	
T	3
7	4
Plant	
	Phenid

	the dominated
50	11 -> the dominated

Qui25:			
	i	12:5	Print
for (int 1=0; 145; 1++) <	Ð	7	0
i) (i==2 i==3)	L	7	1
Continue;	2	7	_
3	3	T	_
System.oud.pointln(t);	4	 	4
)	5	T	5
	6	7	
		heri	4

21 > False dominates Qui26:

	i	1225	Print
for (int 1=0; 145; 1++) <	•	T	0
il (i==2ll i==3)	L	T	2
Continue;	2	T	2
3	2	+	3
System.out.pointln(1);	<u>у</u>		4
j	<u> </u>	T	5
)	6	3	
		Lieni	4