

Today's agenda
Co Problems
Today's agenda  Li Problems  by John Loops  Li Break / Continue.
Jon Cooks
h bolak / continue.
14N AIGORIED



#### @) Point Reverse

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

en: N= 3726

6 2 7 2

#### 1lidea 1

## P S V main () {

Scanner son: new Scanner (system.in);

int n: Schnent Int ();

if (neo) (n= n+-1;3

while (N>0)

ind last digit: N 109

System.out.println (last digit);

N: N/10;

3



utile Care	<b>)</b>	~	lastdigit	
while (~>0)		26348	8	8
ind last digit	: N % 10;	2634	4	4
System.out	pointln (astdigit);	263	3	3
N: N	10 5	26	6	6
3		2	2	2
		0		
			1	-
	complete.	op gets		once
b A variable				once
b A variable				once
b A variable				once
b A variable				once



1 For Loop basics	
int i=o;	Jor (INTEO; ix=10; i+)
while (ic=10) {	108 (INI:0; i<=10; i+) (
11 Statement	
	11 Statements
1++;	
3	3
	How:
	blow:
	1 time: initialize i
	Lole .
	Condition bals on the
	true
	enecute the statoner
	1
	update the voliable



Q) Print	numbers from	1 to 5 w	ing for lo	oP.
	y cond <sup>n</sup> wholdish	r		
lor Gark	tem.out.pointln(i)	0	14:5	
Cert	tem.out. Dointln (i)	: 1	7	
9		2	T	
2		3	T	
		Ł		
			5 <b>T</b>	
2			6 3	
3			henit	, <u> </u>
4		YOL	)ro	
	HIC	$+\cup$		
	0 7 11			



Q) Count Jochoss

of that number. Point all the factors completely divising

En: N=12: 1 2 3 4 6 12

N=17: 1 17

N:24: 1 2 3 4 6 8 12 24

Minimum factor of N: 1 Manimum factor of N: N

### 11ideal

NILO

→ N"1 ⇒ 10%1 = 0 ~

2 -> N%2 > 10%2:0 V

3 --> ~%3 -> 10%3 = 1

4 -> N%4 => 10%.4 = 2

5 -> N%5 -> 10%5 -0 V

b → N%b ⇒ 10%6 = 4

7 -> N%7 -> 10%7 = 3

8 -> N%8 => 10%8 = 2

9 -> ~ 9 -> 10 % 9 = 1

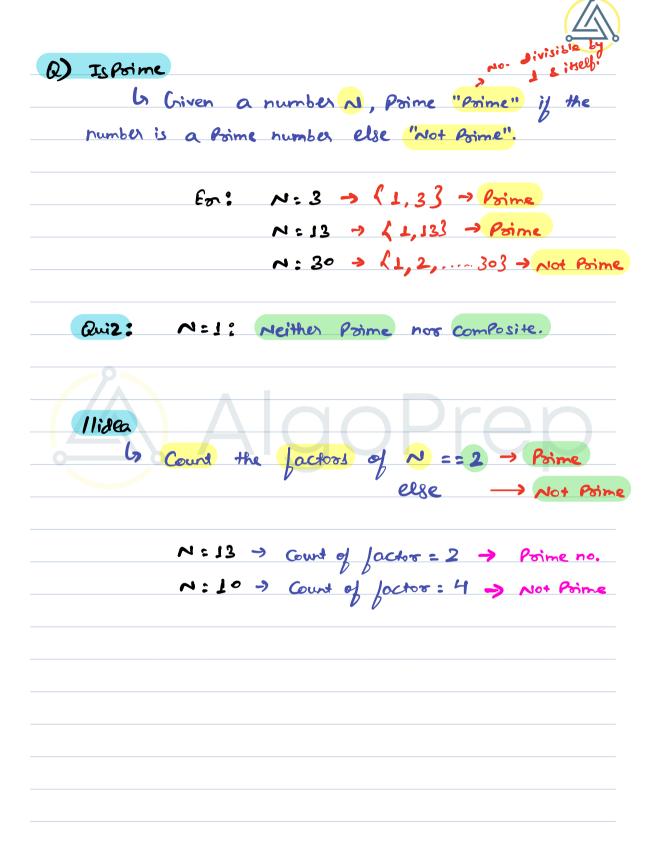
10



# 11Psuedo code

P	SV	nain () {	
	Scanner Sch	= new Scanner	Gystem.in);
		sch.nend Int();	
legation count			
24	1 low lint	=1; ix=N; 1	++) \
	b iii	(N%i==0) 4	
		(~%i==0) { System.out.poi	roin (i)
		System out of on	
19	3		
, ,		0 Dr	on
	419	OPT	
		int 1:13	
for (inti=1; ix=N	: 1++) {	while lie	١٨) ٢
111(20%;a)	12	)       (N%1=	
Systemous.	pointen (1);		oud-pointen (1);
3		1 3	
		5++9	
		ک ا	

Bolak till 9:38 Pm





### Mesuedo code

	PSV main () {
	Scanner Scn = new Scanner (System.in);
	int n= scn.nend Int();
	int country
	100 (int 1=1; TK=N; 1++) 4
	if (~%i==0) 4
	Systemous paintle (i) Count 1+;
iterations—	3
	3
	ManDran
	if C6ourt == 2) {
	System.out. Point ("Poine")
	3
	lege 4
	System.out. pointln ("Not Poine")
	3
	ß



11 Bolak Statement	
1/ Bolak Statement	
for (int 1=1; 1<=5; 1++) <	
	2
if (i = = 3) 4  break;	3
2 System.out. pointln (1)	
3	
4	
<u></u>	
bolak: The moment you execute d	arok Statemen
you evit the Current loop.	
En: 100 (int 12); 1<10; 1+1) ?	i<10
	T 1
System.oud. pointln (?); 2	T 2
if (i==2) < 6 reak; 3	



Quiz 3?

	1<3	
D	t	
1	+	
2	ŧ	
3	+	+
		Gesit
•	2 3	0 t 1 t 2 t 3 t

012

Qui2 4:		9<5	
for line 1=0; ics; ++)4	D	+	
System.out.point (i+ "");			
System.out.point (it "")			



11 Continue	Statement						
		and	90	to	nend	iteration.	
			0			_	

4 for (ind i=0; i<5; i++  if (i==2) {  Continue;	) (	· ·	iss	•
il (i==2) {		D	t	1
Continue;			t	1
3		2	+	1
System.out.pointln	(t);	3	+	1
3		4	+	1
		5		
			D	-
0 4			beni	+
1	$\cup$		lyer?	
3			lyer?	
3			ly en	
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Qui2.5:			
		ies	ij,
for (ind i=0; ies; i++) <	D	+	6
for (int i=0; ies; i++) <   i  (i==2    i== 3)	1	t	6
Continue;	2	ŧ	+
3	3	+	+
System.out.pointln(t);	4	+	
	5	<b>+</b>	1
	6		
		byen	+
4			

Quiz 6:	e e a lake den	22-7 palse d'anirated		
	ZZ - Pous -	i	ies	ij,
Low (int is	=0; (45; 1++)	Đ	+	1
·i	(i==2!! i==3)		4	<i>b</i>
<i>ν</i>	Continue;	2	+	1
3		3	+	1
Sys	tem.oud.pointln(i);	4	+	1
را		5	+	
0 4		6	6	
<u> </u>		henis		
2				
3				