Core Java Handwritten Notes Pant - 2

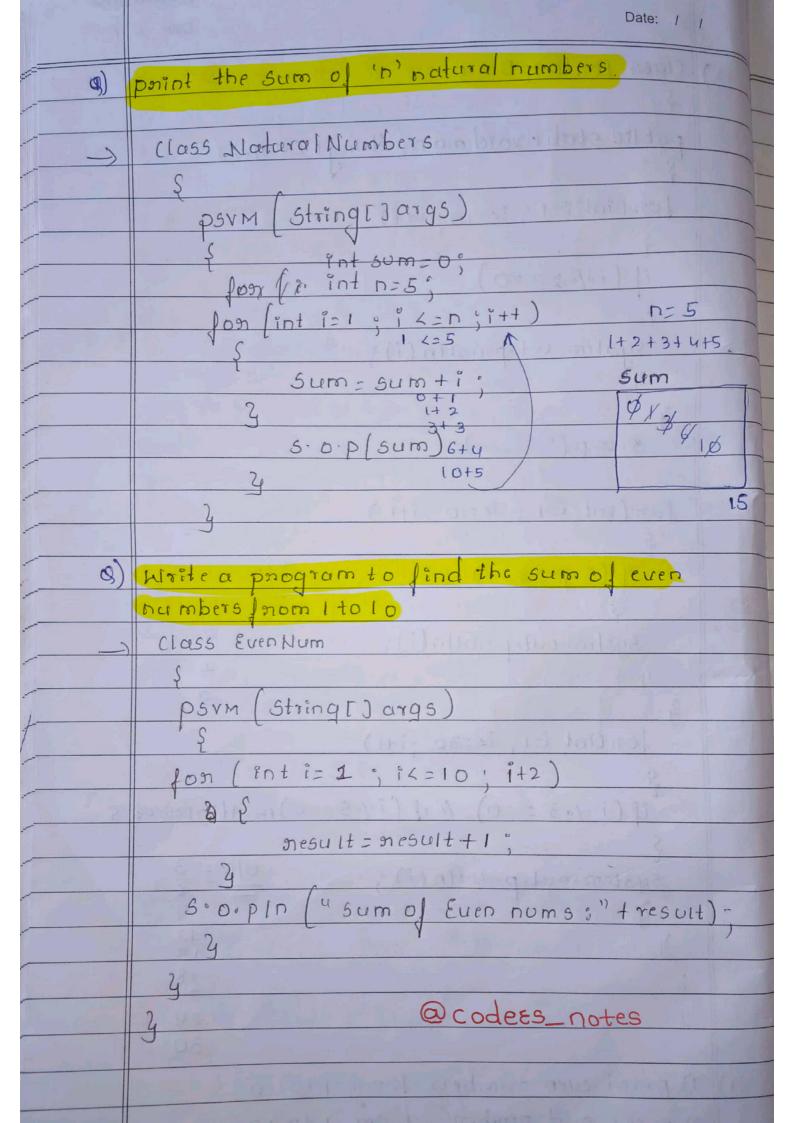
1

Crieated By: @codens_notes

Shi	papergrid
	Date: / /
	Looping Statements
4,1	Looping statements and generally used to stepeat a
	Specific tasks
×	looping statements are generally used to traverse the
Table 1	data as well
*	The different looping statements one as follows
	1) fon 100p
	2) While loop
	3) do While loop
	4) nested fon loop.
~	and on the following trail the
(1)	fon loop
	fon loop is a looping statement is used to nepeat a task
	fon the specified number of times
*	We Use for loop When we know the logical stant and
	the logical End
	Course (Ppaylà) May 1
	Syntax: fon (initialisation; condition; updation)
	// 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	// Set of instructions to be nepeated;
	3 leading long and particular
	@codess_notes
	Ex : print Hello world 5 times
	Jon (int i=1; i<=5; i++)
77	
	System.out.printin ("Helloworld").
	2
	Tracing: 1 14=5 Olp
4	1 1 (=5 -> T HW
	2 2 2 2 5 -> 7 HW
	3 3<=5 → T Hw
	4 44=5 -> 7 Hw
	5 5 (25 -> T HW
	6 (6 < = 5)> F

```
Date: / /
EX 6
    Class Fonloop Demo
      public static void main (string[] args)
        jon (int 121; 1<25; i+1)
       System.out.pln(inti=1; i2=5; i+1)
        5.0.pln ("Helloworld");
   fon (intiet jik=5 jitt) monsone of the
       5.0.p ("i:" +i); shanaanya een)
          @codees_notes
      for (int 2=156; 2<=160; 2++) //(int z=156; 2<161; 2++)
      5.0.p (M2");
      5.0p (" --- ");
     fon (int even= 2; eucn <= 10: even= even+2)
                                        0/0
     System out print in (even);
     system.out-printin ("---");
    Jon (int 2=156; 24161; 2++) // Jon (int 2=156: 22=160; 24)
                                       010
       5.0.p (2)
                                       156
     5. op (" - - - ")
                                        157
                                        158
                                        159
```

		papergrid
		Date: / /
	Jon (int i=1; i2-q; it-2)	Olb
_	S	3
-	5.0.p (i); 10 min h	Harton 5 din
-	4	9
	S.O.P (" ");	last not
	jon (int 2=3; 2<=15; 2=2+3);	7
	S The same the levided help to	010
	5.0.p (2);	3
	2 (Birnara Init)	6
	3	9
		15
Q)	Mile a program to print numb	ers from 1 to 10 in
-	nevense onden	
	Class Revensconden	(12) give
	7	
7 1000 1	public static void main (Stringt) args)
	2 60 1 " " "	1 1 milant de la la la
	fon (înt i=10; i>=1; i=-)	and a like the little to the l
	Sustemant parell cel	30000
1	System.out.pnintln(i).	11
	4 000	odees_notes
	5>4>3>2>1	odees_notes
	0 6 6	1000
	fon(int i= 5; ix=1; i) 5×=1 X 5.0.p(1) 2×=1 X	
	5×=1 1	Ex for infinite 100p
	5.0.p(1) 25=1 X	a No o p
	wrong Luxel	1
1115 7 2011	infinite 100P	NODIE
	lon (inti=5; i)=0; ; i++)	for (ant =5 ; 1 <=1)=
		(8) \$ 0.2
	S.O.p(1).	3.0. p(i);
	2,	
To Take	and the same of th	3



	papergrid
	hhiteloop Date:29/01/2020
*	While loop is a looping statement which is used to
	execute a set of instructions until the condition is fals.
×	In other words while loop keeps on executing if the
	Condition is toue & stops when condition is false
	Syntax: While (condition)
	\$
	Implementation
	2
	(x) int i=1;
	hlhile (ix=5) 24=5
	3 = 5
	System.out.paintln(i); 42=5
	1++., 54=5
	3 6 < =5 - face.
	OLD
	2
1	
	3 @codess_notes
	5
_	
	(Ex) int n=5 5>=1
	While (n>=1) 4>=1
	3>=1
	8.0.ptn (n): 2>=1
)
	011
	5
	4 @codess_notes
Marie Valley	3
	2

	do-While loop Date: / /
*	do While loop is a looping statement similar to While loop
	i.e it keeps on executing until the condition is false
X	The difference between while and do while is
The same	> While checks the condition & then executes set of instructions
	> Dowbile loop executes set of instructions & then checks the
	Condition,
	Sum land
	Syntax: do
	task @codees_notes
	Libile (Condilinate)
	Cara a di Cara Dilata
TO A	ex) inti=1.
	do do
	& good ent betake 2
	S-o-p(i); adams to 1 q 3 mm Internal
	i+f.; quy malana
	The standard to the standard t
	While (96=5)
	· Ex) int x=5;
18-	do
	5
	8-0-pln(x);
	(x; 3
	2
	While (x > z = 1);
BANG.	Company of the Compan

pa	ne	rc	ırı	Q
pu	۲			

Difference between Afrile & do Mhile loop White loop do M	
While loop dow	
Lee set of	
* While loop checks the * do while loop executes set of	ecles
condition finst and instauctions finst and then ch	
then executes set of the condition	
instructions	
Even dile o 85 los 15e do	While
While loop does not execute loop executes afleast once	
- even once [While(i= Ex):- int n=10;	
* ex: inti=10	
MHT1e(125) 8.0.p(n)	
2 5.0.p(i) 2 2 11 (n (=5)i	
- NO OLD 3	
Nested fon loop	
- Nested for loop is a combination of 1 for loop within	
anothen fon loop.	a Le
Note: Fon 1 outen value, all the values of innen fon 100p 9	CB
t executed.	
[x' fon (int i=1; i(=3; i++)	1//
\$	
8.0.p("H;"); fon (jz5; j2=6; j++)	
Jon (jz5; jz=6; j++)	1
- I X	
- S.O. p(jb) +" "+j)i/	
Le la	
5.0.p("byc");	
9	
- 0 p · . Hi 25 36	
15 26 bye @codess_notes	
bye Hi	
Hi 85	

```
Class nested for loop demo
public statte void main (string[] args)
fon (i=1; i4=2; i++)
System-out-println ("outer fon loopstart").
      Jon (j=1; j<=2; j++)
          System out-print la Cuanside inner fon 100p
               1 3 11 + 1 + 1 1 0 ( ( + 1 ) ) 3
      4
    System-out-println ("outer for 100p End");
                           @codeEs_notes
output :- Javac nested for loop demo. java
        Java nestedfon loop
        outen fon loop start
        inside inner jon loop ist jet
       inside innen fon loopier 182
        Outen jon loop End
        outer for loop start
        inside innen fon loop isz jil
        inside. innen fon 100p is 2 je 2
         outen fon loop End
```

Date: / /

	1 16 1
(8)	White a java program to print even number 5 from 16 1
~ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\	in nevense orden using for loop, Whileloop, doubilelow
10	Jorloop 1-2
- 6	
	10π (1-10, 12=10); 16±12)
-	A.D.D(i)
7	3.0. P (1)
-	2 (Legherra she think) to blosse a line and have
	int n=10;
	Kihile(n>-2)
111	2
	S.O.p(n);
	3
	The state of the s
~	Mhile
~	Ent notes @ codes_notes
	clo
+	1
V	S.o.p(n); somplement sometiment
	n-=2;
	2 The later of the
	Mhile(n>=2);
Maria.	The state of the s
	The state of the s
1	
	The Party of the P