	Srivenkatesh Nair(sn6711) Page No.
	Applinary Manna (am 6176)
	Youva Youva
	Homework 12.1
-	
\rightarrow	In line 27, we first create an anonymous
	object of class & and divelly cell is
	In line 27, we pirst create an anonymous object of class & and directly call the run method. new X(0), run();
	new rices, voites,
	Within the von method, since initially the id of the anonymous object is D. Henrie we exter we go into tot the it statement:
	id of the anonymous object is D. Hence
	we exter we go into for the it statement.
	if (id 220) d
	new X(1) start():
+	new x(2) start();
	3
->	Here we create two threads with id . I
	Here we create two threads with id = 1 & 2 and call start () method on both the
	threads
	From here on, any of the three threads with id = 0, 1 & 2 can enter the
	39 h chwonzell block.
->	Once one of the three threads enters the
	Synchronized block the other tun through
	bey "o" is a static object i.e. there is
	the one key.
->	The thread which entered will continue
->	Once it reaches "O. wait().".
	threuels waiting outside the synchronized black

(3)14	W 31	M T W T F S S Page No.: Date: YOUVA
The Wood	get the key i.e. static obj	ect o" which is
A	Now, one of the schedule	
	synchronised block.	each enter the
→ x	In line 17, on notify All ()	" we notify all
	those is only one thing	in weit Chritially
	n N	in wait)
	wait there are 2 poss	ibilities that con
	occupie o	0
	(ase (1): The three second	thread goes into
	Synchronized is provided	ad outside the
	(static object o) by the	scheduler so that
	It can exter the synchron	rized block
1200	(ase(2) 3 Once the second	threeid goes into
	to continue the execution	o has the oppos
9	no continue the execution	Thomas and
The same	Thore one places in the	tode whore you
hagist	possible outputs ?	
1	public void vin () & (2)	public void run ()?
	Mitolia 220/40 an over or	early show the
W. W. W.	new X (1) stant I for which	*Sypchwnized (0)?
	New X(2). start().	10, wait(-);
(itry & sleep (lint)	-try (sleep (thh)
	(10 * Muth. vandom()), g	atch (Exception e) { 3
()	ratch (Exception e) f'y	atan (Exception e) ? 3
	synchronizact (0) t	12-2 < C
	TO WE TON MAN TON WAR	3

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	2. Right avrow		Left arrow					
9.	0>	0>	.0<	05				
- Sille	1>	2>	014-00	2 <				
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	4	libread exit	a iecona					
الما	1>	11>	W165100	14				
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010	0>	01/12>02	0<	25				
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	J. Bok	6 NOONH buil	nd the 4	wit a				
1 1	2>	1 1 2 > vovo	24 N	3126-2				
table	0>	Jod : == \$ yd	04	16				
	1>	1000> 1000	21/5>1/1/6	104				
	d goor to	Second Unea	Oine My	10000(2)				
-	Isht and wight my amos ible outputs for each							
l cli	left and right averoce.							
	Thorefor	e, total no. of	Outputs 2	6×6236				
	Eng V a	(a) (b) (b)	. 1					
	For lase 2 there are 6 possible outputs							
	- m ass the multiple of the second							
1367	terminate as there will be one thread which will be in wait for infinite time							
	as it is	of the in wo	ur for in	tilite time				
1	which	or there are	no other	through				
		can kenter the	Synchro	nized block				
	0>	11> 103		(5) was (6)				
1//	(P=1->01	2 10> 2	2>	1> 2				
19(0) r	10616		2 ()	2> 1				
6	11477190		- 0<	2 2 2 1 2 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2				
	2>	2> 1>	1 1	0> 0>				
*	All these		corrigal	0-/				
			- warai					