

pate: 21/09/23 EXPERIMENT NO. 11 ROLL No.: BO37 AIM: To create user defined threads to achieve multitasking THEORY: A thread is a lightweight sub process, a smallest unit of life sycle of Thread: Steep done, resume, (New) 1/0 complete etc. Runnable Blocked (wait) Running Hup, blocked, wait Jerminated) for 1/0 etc hultibreading in gava is a process of executing multiple threads simultaneously. Mulbbreading: Threads can be created using 2 methanisms: Intending the Ihread class Implementing the Runnable Interface

Output: PERIMENT NO. 11 Main Thread id: Oursit Threadward ibdout berifets rem stown Main Thread id : 1 Ove Thread id: 10 to time Malans the engage due subject this a in the original Our Thread id: 10 ye hade of mand: Main Thread id: Duy Thread id: 10 Our Thread id: 10 Rurable Main Thread ed: 1 Running Steep, blocked, waite for the the Jose inskol entire in wear is a process of executing multiple

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	PROGRAM 1: (Method 1)
	autic day Main
	public class Main
	audia statia unia mari (lhoise anas[7];
	public static void main (String args []);
	MultiThread Ob = Kilw MultiThread (); obj. start (); for (int i=0; i<5; i++)
	MULLINITIAN OF 2 KILL MULLINIAN (1)
	ory. ctart ()
	for (int 120; 120; 141)
	System.out. println ("Main Thread id:"+ Thread. current. Jhread().
	get 9d ());
	7.
	1
	4
	class MultiThread entends Thread
	Mais Millistration of Grands Stration
	public void run ()
	Justic Vola surce)
	for (int i=0; i<5; i++)
1	
-	System.out.println (1900 Thread id: "+ Thread. current. Ihread ().get Toby
	CUSSENT Thread () - ATTAIN
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Output: Main Thread 1 is running borrow : 1 MAGRAGE Our Thread 10 is running view sook away Main Thread possession with a side in Main Thread The running Our Thread 10 is running of the Main Thread I is running Main Thread I've running depends on 11 it's rando Our Thread 10 is sunning Our Thread 10 is running ad Enterede Three public next cores. CHA (CON CON HALL S)

Thread it: + Thread.



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	PROGRAM 2: [Method 2]
	public class Main
	٤' ا
	public static void main (String args[])
	Multithread obj= new Multithread(); Thread br= new Thread(i);
annutum)	Thread tr. new Thread 60);
	tr.start();
	for (int i=0; ix5; i++)
-	1 to and in the later of the la
	System.out println("Main Thread" + Thread current Ihread() get Id() + "is quenning")
-	glega () + is glunning
	1
	3
manumuni.	class Multithread implements Runnable
	public void sun!
	ϵ
	(int i=0; i<5; i++)
	§ 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	System. Out. Printer ("Our Thread" + Thread. current
	System.out.println ("Our Thread" + Thread.current Thread().getId(); is surring");
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PROCEDURE:
Step 1: Start
Step 2: Open Notepad
Step 3: Write the code
Step 4: Compile the code in command prompt.
Step 5: Run the code in command prompt.
Step 6: Sheck the output.
Step 7: End
CONCLUSION:
bence, we have created user defined threads to achieve
multitasking.

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