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// Klasa20.java

public class Klasa20 extends Thread{
    public Klasa20() {
        System.out.println("Klasa20()");
    }
    public static void main(String x[]) {
        new Klasa20().start();
    }

    public void run() {
        System.out.println("first");
        Thread2 niz[] = {new Thread3(1),  new Thread2(),  new Thread3(3) };
        for (Thread2 e : niz) {
            if (e instanceof Thread3)
                new Thread(e).start();
            else{
                try {
                    e.start();
                    e.join();
                } catch (InterruptedException e1) {
                    e1.printStackTrace();
                }
            }
        }
        System.out.println("last");
    }
}

class Thread2 extends Thread {
    static int c = 10;
    int id;

    public Thread2() {
        this(0);
    }

    Thread2(int id) {
        System.out.println("Thread2()");
        this.id = (id>0)?id:c++;
    }

    public void run() {
        for (int i = 1; i < 6; i++) {
            try {
                sleep(10);
            } catch (InterruptedException e) {
                e.printStackTrace();
            }
            System.out.println("Thread2 - " + id + ":" + i);
        }
    }
}

class Thread3 extends Thread2 implements Runnable {
    Thread3(int id) {
        super(id);
        System.out.println("Thread3()");
    }
}

```