Naming Thread and Current Thread

The Thread class provides methods to change and get the name of a thread. By default, each thread has a name i.e. thread-0, thread-1 and so on. By we can change the name of the thread by using setName() method. The syntax of setName() and getName() methods are given below:

1. public String getName(): is used to return the name of a thread.
2. public void setName(String name): is used to change the name of a thread.

Example of naming a thread

class TestMultiNaming1 extends Thread{

  public void run(){

   System.out.println("running...");

  }

 public static void main(String args[])

{

  TestMultiNaming1 t1=new TestMultiNaming1();

  TestMultiNaming1 t2=new TestMultiNaming1();

  System.out.println("Name of t1:"+t1.getName());

  System.out.println("Name of t2:"+t2.getName());

  t1.start();

  t2.start();

  t1.setName("Sonoo Jaiswal");

  System.out.println("After changing name of t1:"+t1.getName());

 }

}

Output:

Name of t1:Thread-0 Name of t2:Thread-1 id of t1:8 running... After changeling name of t1:Sonoo Jaiswal running...

Current Thread

The currentThread() method returns a reference of currently executing thread.

public static Thread currentThread()

Example of currentThread() method

class TestMultiNaming2 extends Thread{

 public void run(){

  System.out.println(Thread.currentThread().getName());

 }

 public static void main(String args[]){

  TestMultiNaming2 t1=new TestMultiNaming2();

  TestMultiNaming2 t2=new TestMultiNaming2();

  t1.start();

  t2.start();

 }

}

Output:

Thread-0 Thread-1