20-8-31

(1) ThreadTest.java

```
package a20_8_31;
class mythread extends Thread{
	int num=0;
	String name;
	public mythread() {}
	public mythread(String name) {
		this.name=name;
	}
	public void run()  {
		while(true) {
			System.out.println(name+"="+num);
			num++;
			try {
				sleep(1000);    //1초 쉬어줌
			} catch (Exception e) {
				e.printStackTrace();   //에러추적
			}
		}
	}
}

public class ThreadTest {
	public static void main(String[] args) {
		mythread kim=new mythread("김길동");
		kim.start();

		mythread lee=new mythread("이순자");
		lee.start();

		mythread park=new mythread("박말자");
		park.start();
	}
}
```

(2) ThreadTest2.java

```
public class ThreadTest2 {

	public static void main(String[] args) {
		Thread kim=new Thread();
		kim.start();  //아무것도 start되는 것이 없음
	}

}
```

(3) ThreadTest3.java

```
class mythread3 implements Runnable {

	int num=0;
	String name;
	public mythread3() {  }
	public mythread3(String name) {
		this.name=name;
	}
	public void run() {
		while(true) {
			System.out.println(name+"="+num);
			num++;
			try {
				Thread.sleep(1000);   //1초단위 쉬어줌
			} catch (Exception e) {
				e.printStackTrace();
			}
		}
	}

}

public class ThreadTest3 {
	public static void main(String[] args) {
		mythread3 kim=new mythread3("김길동");
		Thread th=new Thread(kim);
		th.start();
```

```
                mythread3 lee=new mythread3("이순자");
                Thread th2=new Thread(lee);
                th2.start();

                mythread3 park=new mythread3("박말자");
                Thread th3=new Thread(park);
                th3.start();
        }

}
```

(4) ThreadTest4.java

```
package a20_8_31;


public class ThreadTest4 {
        public static void main(String[] args) {
                Thread kim=new Thread(new Runnable() {
                        int num=0;
                        public void run() {
                                while(true) {
                                        System.out.println(num);
                                        try {
                                                Thread.sleep(1000);
                                        } catch (InterruptedException e) {
                                                // TODO Auto-generated catch block
                                                e.printStackTrace();
                                        }
                                        num++;
                                }

                        }
                });
                kim.start();
        }

}
```