What if we call Java run() method directly instead start() method?

- Each thread starts in a separate call stack.

- Invoking the run() method from the main thread, the run() method goes onto the current call stack rather than at the beginning of a new call stack.
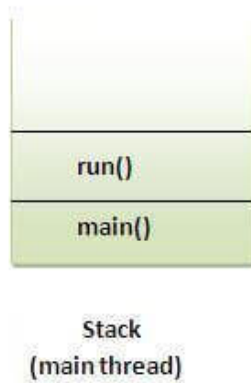
FileName: TestCallRun1.java

```java
class TestCallRun1 extends Thread{
 public void run(){
  System.out.println("running...");
 }
 public static void main(String args[]){
  TestCallRun1 t1=new TestCallRun1();
  t1.run();//fine, but does not start a separate call stack
 }
}
```

☑ **Test it Now**

Output:

```
running...
```


Stack
(main thread)

Problem if you direct call run() method

FileName: TestCallRun2.java

```java
class TestCallRun2 extends Thread{
public void run(){
 for(int i=1;i<5;i++){
   try{Thread.sleep(500);}catch(InterruptedException e){System.out.println(e);}
   System.out.println(i);
 }
}
public static void main(String args[]){
 TestCallRun2 t1=new TestCallRun2();
 TestCallRun2 t2=new TestCallRun2();

 t1.run();
```

```
    t2.run();
  }
}
```

☑ **Test it Now**

Output:

```
1
2
3
4
1
2
3
4
```

As we can see in the above program that there is no context-switching because here t1 and t2 will be treated as normal object not thread object.

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