Thread Creation

Note :- The Thread class is implemented from Runnable interface which consist of abstract run().

All the task which should be performed by a thread should be present in the body of run().

To create our threads, either we can extend Thread class or implement Runnable interface.

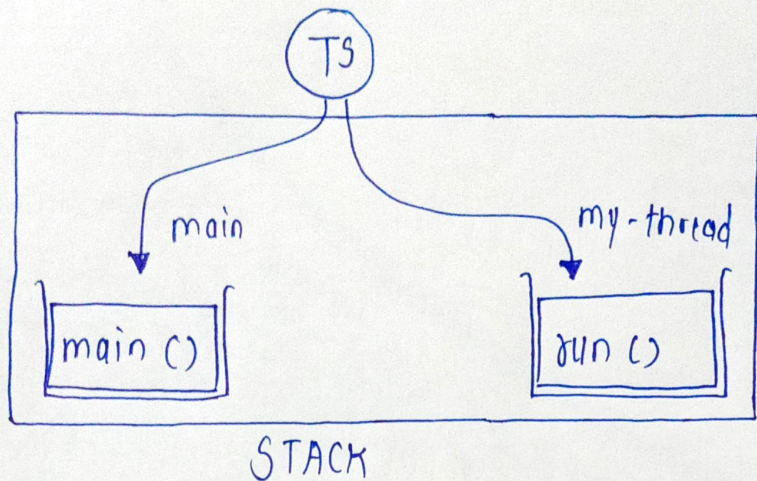1. Approach 1 :- Extending the Thread class :-

Program :-

```java
public class ThreadDemo {
  public static void main (String [] args) {
    System.out.println ("Thread executing main():" + Thread.currentThread().
                                                          getName());

    MyThread mt = new MyThread();
    mt.setName ("my-thread");
    mt.start();
  }
}


Class MyThread extends Thread {
  public void run() {
    System.out.println ("Thread executing run():" +
                  Thread.currentThread().getName());
    System.out.println ("some task...");
  }
}
```

TS

main

my-thread

main ( )

run ( )

STACK

---

* Approach 2 : Implementing the Runnable interface :-

```
public class ThreadDemo {
    public static void main (String [ ]args) {
System. out.println ("Thread executing main(): "+ Thread.currentThread().
                                              getName ());

    MyTask mt = new MyTask();
    Thread t   = new Thread (mt);

    t. setName ("my-thread");
    t. start ();
    }
}
```

TS

main

my-thread

Stack .