

# 1. Write a program in Java to create a thread by extending the Thread' class and by implementing the "Runnable" interface

```
package javaFsd2;
```

```
class Summer extends Thread{
    public void run() {
        System.out.println("\tExtends Thread");
        for(int i=1;i<=5;i++) {
            System.out.println("oops!Climate is hot...");
            try {
                Thread.sleep(1000);
            } catch (InterruptedException e) {
                e.printStackTrace();
            }
        }
    }
}
```

```
class Rainy implements Runnable{
    public void run() {
        System.out.println("\tImplements runnable");
        for(int i=1;i<=5;i++) {
            System.out.println("climate is cool");
            try {
                Thread.sleep(2000);
            } catch (InterruptedException e) {
                e.printStackTrace();
            }
        }
    }
}
```

```
public class threadDemo {

    public static void main(String[] args) throws InterruptedException {
        System.out.println("Starting the MainThread....");

        Runnable r1=new Rainy();
```

```
        Summer s=new Summer();
        Thread t=new Thread(r1);
        t.start();
        t.join();
        s.start();
        System.out.println("End of MainThread....");
    }
}
```

## Output

```
Console ×
<terminated> threadDemo [Java Application] C:\Users\JOTHIKA\p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.3
Starting the MainThread....
    Implements runnable
climate is cool
climate is cool
climate is cool
climate is cool
climate is cool
End of MainThread....
    Extends Thread
oops!Climate is hot...
oops!Climate is hot...
oops!Climate is hot...
oops!Climate is hot...
oops!Climate is hot...
```