

TAMOJIT DAS A/7/C1

ASSIGNMENT 12

Q1.

LoudHailer.java

```
import java.util.logging.Level;
```

```
import java.util.logging.Logger;
```

```
/*
```

```
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```

```
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```

```
 * and open the template in the editor.
```

```
*/
```

```
/**
```

```
 *
```

```
 * @author TAMOJIT
```

```
*/
```

```
public class LoudHailer extends Thread{
```

```
    String txt;
```

```
    public LoudHailer(String txt) {
```

```
        this.txt=txt;
```

```
    }
```

```
    @Override
```

```
    public void run() {
```

```

while (true){
    System.out.println(txt);

    try {
        Thread.sleep(1000);
    } catch (InterruptedException ex) {
        Logger.getLogger(LoudHailer.class.getName()).log(Level.SEVERE, null, ex);
    }
}

}

/*
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 */

/**
 *
 * @author TAMOJIT
 */
public class Q1 {

    public static void main(String[] args) {

        LoudHailer T1=new LoudHailer("Good");

        LoudHailer T2=new LoudHailer("Morning");

        LoudHailer T3=new LoudHailer("Kolkata");
    }
}

```

```
T1.start();

T2.start();

T3.start();


T3.setPriority(5);


}

}
```

Q2.

```
import java.util.logging.Level;
import java.util.logging.Logger;
```

```
/*
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 * and open the template in the editor.
 */
```

```
/**
 *
 * @author TAMOJIT
 */
```

```
class Display {

    public void display(String txt){
        while (true){
```

```

        System.out.println(txt);
    try {
        Thread.sleep(1000);
    } catch (InterruptedException ex) {
        Logger.getLogger(LoudHailer.class.getName()).log(Level.SEVERE, null, ex);
    }
}
}
}

```

```

class synhailer extends Thread{

```

```

    String txt;

```

```

    Display D;

```

```

    public synhailer(String txt, Display D) {

```

```

        this.txt = txt;

```

```

        this.D = D;

```

```

    }

```

```

    @Override

```

```

    public void run() {

```

```

        synchronized(D){

```

```

            D.display(this.txt);

```

```

        }

```

```

    }

```

```

}

```

```

public class Q2 {

    public static void main(String[] args) {

        synhailer T1=new synhailer("Good", new Display());

        synhailer T2=new synhailer("Morning", new Display());

        synhailer T3=new synhailer("Kolkata", new Display());

        T1.start();

        T2.start();

        T3.start();

    }

}

```

