

## PROGRAMMING IN JAVA LAB-10

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Batch-AIML A1

Write a Java Program for Thread Creating and use of its various methods.

//

### ThreadDemo.java

```
package threading;
class Printer extends Thread{
    String message;
    public void setMessage(String message)
    {
        this.message = message;
    }
    @Override
    public void run()
    {
        for(char ch:message.toCharArray())
        {
            try {
                Thread.sleep(500);

            } catch (InterruptedException e) {
                e.printStackTrace();
            }
            System.out.print(ch);

        }
    }
}

public class ThreadDemo {
    public static void main(String[] args) {
        // Creating instance of Printer class.----->
```

```

Printer printer = new Printer();
printer.setName("Thread1");
printer.setMessage("Hello, how are you ?"); // Calling the setMessage function of the
Printer class.
System.out.println(printer.getName());
printer.start(); // Thread will start

// Creating another instance of the Printer class.----->
Printer anotherPrinter = new Printer();
anotherPrinter.setName("Thread2");
anotherPrinter.setMessage("I am fine");
anotherPrinter.start();
System.out.println("End of Main"); // This is printed first because after this main
method dies and non demon thread continuous to work even after the main method dies.

}
}

```

#### OUTPUT:

```

Thread1
Thread1
End of Main
IH elamlo ,fi hneow are you ?

```

GITHUB LINK: <https://github.com/aadarsh1810/JAVA/tree/main/Assignment-10>