

LAB # 4**Start, Sleep and Stop methods of multithreading****OBJECTIVE:**

Understanding concurrency by implementing start, sleep and stop thread functions.

Task # 01

By using start, stop and sleep methods of threading, print alphabets of English from A-Z. (Hint: use math.random method for getting random numbers and then convert them into characters, print 26 characters under run method loop with fluctuating visualization through sleep method).

Code:

```
public class task1 extends Thread{
    public void run(){
        for(int i=0;i<=25;i++){
            int number=65+(int) (Math.random()*26);
            char ch=(char) number;
            try{
                Thread.sleep(1000);
            }
            catch(InterruptedException e)
            {
                System.out.println(e);
            }
            System.out.println(ch);
        }
    }

    public static void main(String[] args) {
        task1 t1=new task1();
        t1.start();
    }
}
```

Output:

The screenshot shows the Eclipse IDE interface with the 'Console' tab selected. The console output is as follows:

```
<terminated> task1 [Java Application] C:\eclipse(with jre and jdk)\jre\bin\javaw.exe (Mar 15, 2021 8:15:47 AM)
M C J S O Y M V Z X W O S Z I W K N M Z B R S X A R
```

Name : Bin Yamin

Roll # : 2019-SE-061