**LAB # 4**

**Start, Sleep and Stop methods of multithreading**

**OBJECTIVE**

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

**LAB TASK**

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 rum method loop with fluctuating visualization through sleep method).

**SOURCE CODE:**

public class thread\_methods extends Thread {

public void run()

{

int randomValue;

int [] usedAlphabet = new int [26];

for (int i = 0; i < 26; i++) {

randomValue = (int)(Math.random()\*26 + 65);

usedAlphabet[i] = randomValue;

System.out.println((char)randomValue + "");

}

try{

Thread.sleep(500);

}

catch(InterruptedException e)

{

System.out.println(e);

} }

public static void main(String[] args) {

thread\_methods t1=new thread\_methods ();

thread\_methods t3=new thread\_methods ();

t1.start();

t3.stop();

System.out.println("Thread t3 is stopped");

}}

**OUTPUT:**

A picture containing application

Description automatically generated