

LAB-TEST-QUESTION-5

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1BM19CS194

3-D

```
import java.util.*;
```

```
import java.lang.*;
```

```
class NewThread implements Runnable {
```

```
String name;
```

```
String disp;
```

```
int n1;
```

```
Thread t;
```

```
Random n=new Random();
```

```
NewThread(String threadname,String x,int time) {
```

```
name = threadname;
```

```
n1=time;
```

```
disp=x;
```

```
t = new Thread(this,name);
```

```
System.out.println("New thread: " + t);
```

```
t.start();
```

```
}
```

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

```
try {
```

```
for(int i = 1; i <=10; i++)  
{  
    int n2=n.nextInt(100);  
    System.out.println("time token of "+name+": "+n2);  
    Thread.sleep(n1);  
}  
} catch (InterruptedException e) {  
    System.out.println(name + "Interrupted");  
}  
System.out.println(name + " exiting.");  
}  
}
```

```
class TimeToken {  
    public static void main(String args[]){  
        Scanner sc=new Scanner(System.in);  
        String name;  
        System.out.println("name of client");  
        name=sc.next();  
        new NewThread("Client",name,2000);  
        try {  
            Thread.sleep(20000);  
        } catch (InterruptedException e) {  
            System.out.println("Main thread Interrupted");  
        }  
    }  
}
```

}

```
C:\windows\SYSTEM32\cmd.exe
name of client
Ani
New thread: Thread[Client,5,main]
time token of Client:2
time token of Client:67
time token of Client:2
time token of Client:62
time token of Client:81
time token of Client:28
time token of Client:82
time token of Client:11
time token of Client:97
time token of Client:0
Client exiting.

-----
(program exited with code: 0)
Press any key to continue . . .
```