Department of Computer Science and Engineering
Data Science

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Semester: III   **Student ID: 21107009**

Class / Branch: SE Data Science   **Date Of Performance: 14/10/2022**

Subject: OOPJ Lab   **Date Of Submission: 14/10/2022**

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Experiment No. 11

Aim:- Write a Java program to demonstrate the use of AWT components like Label, Textfield, TextArea, Button, Checkbox, RadioButton etc.

Program :

```java
class RunnableDemo implements Runnable {

  private Thread t;

  private String threadName;


  RunnableDemo( String name) {

    threadName = name;

    System.out.println("Creating " +  threadName );

  }


  public void run() {

    System.out.println("Running " +  threadName );

    try {
```

```java
        for(int i = 4; i > 0; i--) {

            System.out.println("Thread: " + threadName + ", " + i);

            // Let the thread sleep for a while.

            Thread.sleep(50);

        }

    } catch (InterruptedException e) {

        System.out.println("Thread " +  threadName + " interrupted.");

    }

    System.out.println("Thread " +  threadName + " exiting.");

}


public void start () {
    System.out.println("Starting " +  threadName );
    if (t == null) {
        t = new Thread (this, threadName);
        t.start ();
    }
}
}

public class exp11{
```

```java
public static void main(String args[]) {

    RunnableDemo R1 = new RunnableDemo( "Thread-1");

    R1.start();


    RunnableDemo R2 = new RunnableDemo( "Thread-2");

    R2.start();

  }  }
```

Output:-

```
apsit@apsit-HP-280-Pro-G6-Microtower-PC:~$ gedit exp11.java
apsit@apsit-HP-280-Pro-G6-Microtower-PC:~$ javac exp11.java
apsit@apsit-HP-280-Pro-G6-Microtower-PC:~$ java exp11
Creating Thread-1
Starting Thread-1
Creating Thread-2
Starting Thread-2
Running Thread-1
Running Thread-2
Thread: Thread-1, 4
Thread: Thread-2, 4
Thread: Thread-2, 3
Thread: Thread-1, 3
Thread: Thread-2, 2
Thread: Thread-1, 2
Thread: Thread-2, 1
Thread: Thread-1, 1
Thread Thread-2 exiting.
Thread Thread-1 exiting.
apsit@apsit-HP-280-Pro-G6-Microtower-PC:~$ |
```