// Importing the required classes

import java.lang.\*;

public class ThreadPriorityExample extends Thread

{

// Method 1

// Whenever the start() method is called by a thread

// the run() method is invoked

public void run()

{

// the print statement

System.out.println("Inside the run() method");

}

// the main method

public static void main(String argvs[])

{

// Creating threads with the help of ThreadPriorityExample class

ThreadPriorityExample th1 = new ThreadPriorityExample();

ThreadPriorityExample th2 = new ThreadPriorityExample();

ThreadPriorityExample th3 = new ThreadPriorityExample();

// We did not mention the priority of the thread.

// Therefore, the priorities of the thread is 5, the default value

// 1st Thread

// Displaying the priority of the thread

// using the getPriority() method

System.out.println("Priority of the thread th1 is : " + th1.getPriority());

// 2nd Thread

// Display the priority of the thread

System.out.println("Priority of the thread th2 is : " + th2.getPriority());

// 3rd Thread

// // Display the priority of the thread

System.out.println("Priority of the thread th2 is : " + th2.getPriority());

// Setting priorities of above threads by

// passing integer arguments

th1.setPriority(6);

th2.setPriority(3);

th3.setPriority(9);

// 6

System.out.println("Priority of the thread th1 is : " + th1.getPriority());

// 3

System.out.println("Priority of the thread th2 is : "+ th2.getPriority());

// 9

System.out.println("Priority of the thread th3 is : " + th3.getPriority());

// Main thread

// Displaying name of the currently executing thread

System.out.println("Currently Executing The Thread : " +

Thread.currentThread().getName());

System.out.println("Priority of the main thread is : " +

Thread.currentThread().getPriority());

// Priority of the main thread is 10 now

Thread.currentThread().setPriority(10);

System.out.println("Priority of the main thread is : " +

Thread.currentThread().getPriority());

}

}

