**11.Implement a Java program to demonstrate thread priority.**

public class ThreadPriorityDemo {

public static void main(String[] args) {

Thread lowPriorityThread = new Thread(new MyRunnable(), "Low Priority Thread");

Thread highPriorityThread = new Thread(new MyRunnable(), "High Priority Thread");

lowPriorityThread.setPriority(Thread.MIN\_PRIORITY); // Minimum priority (1)

highPriorityThread.setPriority(Thread.MAX\_PRIORITY); // Maximum priority (10)

lowPriorityThread.start();

highPriorityThread.start();

}

static class MyRunnable implements Runnable {

@Override

public void run() {

for (int i = 1; i <= 5; i++) {

System.out.println(Thread.currentThread().getName() + " is running: " + i);

try {

Thread.sleep(1000); // Sleep for 1 second

} catch (InterruptedException e) {

e.printStackTrace();

}

}

}

}

}