Assignment No.:11 Topic: Multithreading extending Thread class

Q.Write a program to create multiple threads by using thread class. Use join(), isAlive(), getPriority(), SetPriority() methods

**CODE:**

class A extends Thread{

public void run(){

for(int i=0; i < 3; i++){

System.out.println("Hi " + Thread.currentThread().getPriority());

try { Thread.sleep(1000); } catch (Exception e){}

}

}

}

class B extends Thread{

public void run(){

for(int i=0; i < 3; i++){

System.out.println("Hello " + Thread.currentThread().getPriority());

try { Thread.sleep(1000); } catch (Exception e){}

}

}

}

class ThreadDemo2{

public static void main(String[] args) throws Exception{

A t1 = new A();

B t2 = new B();

//setting priority of thread

t1.setPriority(Thread.MIN\_PRIORITY);

t2.setPriority(Thread.MAX\_PRIORITY);

//getting priority of thread .. initially assigned default priority of 5 or Thread.NORM\_PRIORITY

System.out.println("priority of t1 : " + t1.getPriority());

System.out.println("priority of t2 : " + t2.getPriority());

t1.start();

t2.start();

// calling isAlive before join()

System.out.println("Checking whether t1 is alive (before join): " + t1.isAlive());

// thread on joining throws Exception, so we have to declare 'throws Exception' at main

t1.join();

t2.join();

// calling isAlive after join()

System.out.println("Checking whether t1 is alive (after join): " + t1.isAlive());

//t1 will de dead after the program execeutes, so we will get false

System.out.println("Bye !!");

}

}

**OUTPUT:**

