Institute of Computer Technology

B. Tech Computer Science and Engineering

Subject: OOP (2CSE303)

**PRACTICAL-22**

**AIM: - Anshul was provided with a task to optimize the system by implementing multithreading. Consider three threads Thread1, Thread2 and Thread3, Thread2 should run followed by Thread1 set the priorities accordingly. Thread 3 should execute only after Thread2 execution is completed. Also display the meta data of threads such as id, name, alive status.**

***SOLUTION***

package practicals;

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class Multithreading extends Thread{

public void run(){

System.out.println("Thread Running \nID is: "+Thread.currentThread().getId());

System.out.println("Priority for "+Thread.currentThread().getName()+" is: "+Thread.currentThread().getPriority());

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

System.out.println("Thread is currently active.");

}

}

}

public class prac22 {

public static void main(String args[]){

Multithreading t1=new Multithreading();

Multithreading t2=new Multithreading();

Multithreading t3=new Multithreading();

t1.start();

t2.start();

t1.setPriority(Thread.MIN\_PRIORITY);

t2.setPriority(Thread.MAX\_PRIORITY);

try{

t2.join();

}

catch(Exception e){

t3.start();

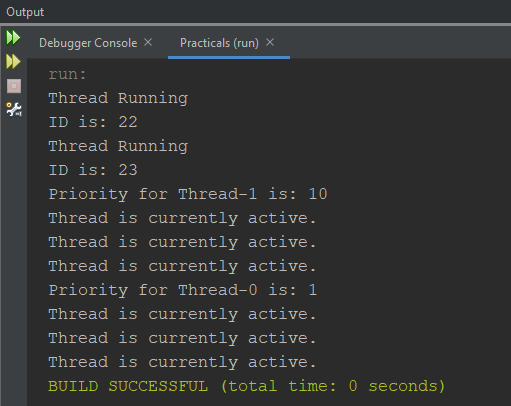
System.out.println("Thread Alive: Thread 1: "+t1.isAlive()+" Thread 2: "+t2.isAlive()+" Thread 3: "+t3.isAlive());

}

}

}

***OUTPUT***

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