class JoinM extends Thread{

public void run(){

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

try{

Thread.sleep(500);

//System.out.println("Running");

}

catch(Exception e){

System.out.println(e);

}

//System.out.println("Name of t3:"getName());

System.out.println(Thread.currentThread().getName());

System.out.println(i);

}

}

public static void main(String args[]){

JoinM t1 = new JoinM();

JoinM t2 = new JoinM();

JoinM t3 = new JoinM();

//System.out.println("Name of t1:"+t1.getName());

t1.start();

try{

t1.join(1500);

}

catch(Exception e){

System.out.println(e);

}

//System.out.println("Name of t2:"+t2.getName());

t2.start();

//System.out.println("Name of t3:"+t3.getName());

t3.start();

}

}

Output

Thread-0 1

Thread-0 2

Thread-0 3

Thread-1 1

Thread-2 1

Thread-0 4

Thread-1 2

Thread-2 2

Thread-0 5

Thread-1 3

Thread-2 3

Thread-1 4

Thread-2 4

Thread-1 5

Thread-2 5

class ThreadP extends Thread{

public void run(){

System.out.println(Thread.currentThread().getName());

if(Thread.currentThread().getPriority()>1){

System.out.println("Priority is high");

}

else{

System.out.println("Priority is low");

}

}

public static void main(String args[]){

ThreadP t1 = new ThreadP();

ThreadP t2 = new ThreadP();

t1.setPriority(1);

t2.setPriority(10);

t1.start();

t2.start();

}

}

Output

Thread-0

Priority is low

Thread-1

Priority is high

**Multitasking By threads**

**Single Task by Multi Thread**

class TestMulti1 extends Thread{

public void run(){

System.out.println("Task One"+" by "+Thread.currentThread().getName());

}

public static void main(String args[]){

TestMulti1 t1 = new TestMulti1();

TestMulti1 t2 = new TestMulti1();

t1.start();

t2.start();

}

}

Output

Task One by Thread-1

Task One by Thread-0

**Multiple Task by Multiple Threads**

class Task1 extends Thread{

public void run(){

System.out.println("Task One"+" by "+Thread.currentThread().getName());

}

}

class Task2 extends Thread{

public void run(){

System.out.println("Task 2"+" by "+Thread.currentThread().getName());

}

}

class TestMulti1 {

public static void main(String args[]){

Task1 t1 = new Task1();

Task2 t2 = new Task2();

t1.start();

t2.start();

}

}

**Output**

**Task One by Thread-0**

**Task 2 by Thread-1**