**Programs Extending Thread class**

public class Demo extends Thread{

public void run(){

System.out.println("thread is running...");

}

public static void main(String args[]){

System.out.println("Demo");

Demo t1=new Demo();

t1.start();

}

}

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**Program Implementing Runable Interface**

public class Demo implements Runnable{

public void run(){

System.out.println("thread is running...");

}

public static void main(String args[]){

Demo m1=new Demo();

Thread t1=new Thread(m1);

t1.start();

}

}

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**Thread with Join Method**

public class TestJoinMethod2 extends Thread{

public void run(){

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

try{

Thread.sleep(500);

}catch(Exception e){System.out.println(e);}

System.out.println(i);

}

}

public static void main(String args[]){

TestJoinMethod2 t1=new TestJoinMethod2();

TestJoinMethod2 t2=new TestJoinMethod2();

TestJoinMethod2 t3=new TestJoinMethod2();

t1.start();

try{

t1.join();

}catch(Exception e){System.out.println(e);}

t2.start();

t3.start();

}

}

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getName/setName method

**public** **class** ThreadNames **extends** Thread{

**public** **void** run(){

System.***out***.println("running...");

}

**public** **static** **void** main(String args[]){

ThreadNames t1=**new** ThreadNames();

ThreadNames t2=**new** ThreadNames();

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

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

System.***out***.println("id of t1:"+t1.getId());

t1.start();

t2.start();

t1.setName("John");

System.***out***.println("After changing name of t1:"+t1.getName());

}

}

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Threads Priority

**package** com.info.basic;

**public** **class** ThreadPriority **extends** Thread{

**public** **void** run(){

System.***out***.println("running");

}

**public** **static** **void** main(String args[]){

ThreadPriority m1=**new** ThreadPriority();

ThreadPriority m2=**new** ThreadPriority();

m1.setPriority(***MIN\_PRIORITY***);

m2.setPriority(***MAX\_PRIORITY***);

m1.start();

m2.start();

System.***out***.println("running thread name is:"+m1.getName());

System.***out***.println("running thread priority of M1 is:"+m1.getPriority());

System.***out***.println("running thread priority of M2 is:"+m2.getPriority());

}

}