1.Write a Thread Program Using Thread class

**class** Multi **extends** Thread{

**public** **void** run(){

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

}

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

Multi t1=**new** Multi();

t1.start();

}

}

2.Write a Thread Program Using Runnable Interface

**class** Multi3 **implements** Runnable{

**public** **void** run(){

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

}

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

Multi3 m1=**new** Multi3();

Thread t1 =**new** Thread(m1);

t1.start();

 }

}

3.Program Set Thread Priority

**class** TestMultiPriority1 **extends** Thread{

**public** **void** run(){

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

  System.out.println("running thread priority is:"+Thread.currentThread().getPriority());

 }

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

  TestMultiPriority1 m1=**new** TestMultiPriority1();

  TestMultiPriority1 m2=**new** TestMultiPriority1();

  m1.setPriority(Thread.MIN\_PRIORITY);

  m2.setPriority(Thread.MAX\_PRIORITY);

  m1.start();

  m2.start();

  }

}

4.Program Thread block using sleep

**class** Table{

**synchronized** **void** printTable(**int** n)

**for**(**int** i=1;i<=5;i++){

     System.out.println(n\*i);

**try**{

      Thread.sleep(400);

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

   }

 }}

**class** MyThread1 **extends** Thread{

Table t;

MyThread1(Table t){

**this**.t=t;

}

**public** **void** run(){

t.printTable(5);

}

}

5.Program Thread block using suspended

**class** MyThread2 **extends** Thread{

Table t;

MyThread2(Table t){

**this**.t=t;

}

**public** **void** run(){

t.printTable(100);

}

}

**public** **class** TestSynchronization2{

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

Table obj = **new** Table();

MyThread1 t1=**new** MyThread1(obj);

MyThread2 t2=**new** MyThread2(obj);

t1.start();

t2.start();

}

}