**public class** SimpleThread4 {  
 **static double** *time* = System.*currentTimeMillis*();  
  
 **public static void** main(String[] args) {  
 Threads thread1 = **new** Threads(**"A1"**, **true**, *time*);  
 Threads thread2 = **new** Threads(**"A2"**, **true**, *time*);  
 Threads thread3 = **new** Threads(**"B1"**, **false**, *time*);  
 Thread A = **new** Thread(thread1);  
 Thread B = **new** Thread(thread2);  
 Thread C = **new** Thread(thread3);  
  
 A.start();  
 B.start();  
 C.start();  
 System.***out***.println(**"Main: "** + (System.*currentTimeMillis*() - *time*) + **" milliseconds."**);  
 }  
}  
  
**class** Threads **extends** Thread {  
 **private** String **name**;  
 **boolean thread**;  
 **double start**;  
  
 **public** Threads(String a, **boolean** x, **double** start) {  
 **super**();  
 **name** = a;  
 **thread** = x;  
 **this**.**start** = start;  
 }  
  
 **public void** run() {  
 **try** {  
 **if**(**thread**) {  
 Thread.*sleep*(500);  
 } **else** {  
 Thread.*sleep*(1300);  
 }  
 } **catch** (InterruptedException e) {  
 System.***out***.println(e);  
 System.*exit*(1);  
 }  
 **double** totTime = System.*currentTimeMillis*() - **start**;  
 System.***out***.println(**name** + **": "** + totTime + **" milliseconds."**);  
 }  
}

**public class** SimpleThread5 {  
 **static double** *time* = System.*currentTimeMillis*();  
  
 **public static void** main(String[] args) {  
 Threads2 thread1 = **new** Threads2(**"A1"**, **true**, *time*);  
 Threads2 thread2 = **new** Threads2(**"A2"**, **true**, *time*);  
 Threads2 thread3 = **new** Threads2(**"B1"**, **false**, *time*);  
 Thread A = **new** Thread(thread1);  
 Thread B = **new** Thread(thread2);  
 Thread C = **new** Thread(thread3);  
  
 A.start();  
 B.start();  
 C.start();  
 A.setPriority(Thread.***MAX\_PRIORITY***);  
 B.setPriority(Thread.***MIN\_PRIORITY***);  
 C.setPriority(Thread.***NORM\_PRIORITY***);  
 System.***out***.println(**"Main: "** + (System.*currentTimeMillis*() - *time*) + **" milliseconds."**);  
 }  
}  
  
**class** Threads2 **extends** Thread {  
 **private** String **name**;  
 **boolean thread**;  
 **double start**;  
  
 **public** Threads2(String a, **boolean** x, **double** start) {  
 **super**();  
 **name** = a;  
 **thread** = x;  
 **this**.**start** = start;  
 }  
  
 **public void** run() {  
 **try** {  
 **if**(**thread**) {  
 Thread.*sleep*(500);  
 } **else** {  
 Thread.*sleep*(1300);  
 }  
 } **catch** (InterruptedException e) {  
 System.***out***.println(e);  
 System.*exit*(1);  
 }  
 **double** totTime = System.*currentTimeMillis*() - **start**;  
 System.***out***.println(**name** + **": "** + totTime + **" milliseconds. \t"** + getPriority());  
 }  
}

**public class** SimpleThread6 {  
 **static double** *time* = System.*currentTimeMillis*();  
  
 **public static void** main(String[] args) {  
 Threads3 thread1 = **new** Threads3(**"A1"**, **true**, *time*);  
 Threads3 thread2 = **new** Threads3(**"A2"**, **true**, *time*);  
 Threads3 thread3 = **new** Threads3(**"B1"**, **false**, *time*);  
 Thread A = **new** Thread(thread1);  
 Thread B = **new** Thread(thread2);  
 Thread C = **new** Thread(thread3);  
  
 A.start();  
 B.start();  
 C.start();  
 **while**(**true**) {  
 **try** {  
 A.join();  
 B.join();  
 C.join();  
 **break**;  
 } **catch** (InterruptedException e) {  
 e.printStackTrace();  
 }  
 }  
 System.***out***.println(**"Main:\t"** + (System.*currentTimeMillis*() - *time*) + **" milliseconds."**);  
 }  
}  
  
**class** Threads3 **extends** Thread {  
 **private** String **name**;  
 **boolean thread**;  
 **double start**;  
  
 **public** Threads3(String a, **boolean** x, **double** start) {  
 **super**();  
 **name** = a;  
 **thread** = x;  
 **this**.**start** = start;  
 }  
  
 **public void** run() {  
 **try** {  
 **if**(**thread**) {  
 Thread.*sleep*(500);  
 } **else** {  
 Thread.*sleep*(1300);  
 }  
 } **catch** (InterruptedException e) {  
 System.***out***.println(e);  
 System.*exit*(1);  
 }  
 **double** totTime = System.*currentTimeMillis*() - **start**;  
 System.***out***.println(**name** + **": \t"** + totTime + **" milliseconds."**);  
 }  
}