Assignment 18

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Write a program to demonstrate yield method?

**package** com.thread;

**class** ChildThread **extends** Thread

{

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

{

**for** (**int** i=0; i<5 ; i++){

Thread.*yield*();

System.***out***.println("child thread "+i + Thread.*currentThread*().getName());

}

}

}

**class** ParentThread **extends** Thread

{

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

{

**for** (**int** i=0; i<5 ; i++){

Thread.*yield*();

System.***out***.println("parent "+i + Thread.*currentThread*().getName());

}

}

}

**class** Mainthread **extends** Thread

{

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

{

**for** (**int** i=0; i<5 ; i++){

Thread.*yield*();

System.***out***.println("Mainthread "+i + Thread.*currentThread*().getName());

}

}

}

**public** **class** Yeild {

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

ChildThread m1 = **new** ChildThread();

ParentThread m2 = **new** ParentThread();

Mainthread m3 = **new** Mainthread();

m1.start();

m2.start();

m3.start();

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

m2.setPriority(Thread.***NORM\_PRIORITY***);

m3.setPriority(Thread.***MAX\_PRIORITY***);

System.***out***.println("Main ends ");

}

}

**Output**

Main ends

parent 0Thread-1

child thread 0Thread-0

Mainthread 0Thread-2

child thread 1Thread-0

parent 1Thread-1

Mainthread 1Thread-2

Mainthread 2Thread-2

Mainthread 3Thread-2

Mainthread 4Thread-2

parent 2Thread-1

child thread 2Thread-0

parent 3Thread-1

parent 4Thread-1

child thread 3Thread-0

child thread 4Thread-0