

Example1: Multithreading Using extends Thread Class

```
/*
 * To change this license header, choose License Headers in Project Properties.
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 * and open the template in the editor.
 */
package mythreading;

/**
 *
 * @author Admin
 */
public class T1 extends Thread{

    public void run(){
        for (int i = 1; i <=5; i++) {
            System.out.println("Child Thread : "+i);
        }
    }

    public static void main(String[] args) {
        T1 t1=new T1();
        t1.start();
        //t1.run();
        for (int i = 1; i <=5; i++) {
            System.out.println("Main Thread : "+i);
        }
    }
}
```

Example1: Multithreading Using implements Runnable Interface

```
/*
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 */
package mythreading;

/**
 *
 * @author Admin
 */
public class T1 implements Runnable{

    public void run(){
        for (int i = 1; i <=5; i++) {
            System.out.println("Child Thread : "+i);
        }
    }

    public static void main(String[] args) {
        Thread t1=new Thread(new T1());
        t1.start();
        //t1.run();
    }
}
```

```

        for (int i = 1; i <=5; i++) {
            System.out.println("Main Thread : "+i);
        }
    }
}

```

Example 3: Overload run method

```

/*
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 */
package mythreading;

/**
 *
 * @author Admin
 */
public class T1 implements Runnable{

    public void run(){
        for (int i = 1; i <=5; i++) {
            System.out.println("Child Thread : "+i);
        }
    }

    public void run(int x){
        for (int i = 1; i <=5; i++) {
            System.out.println("Child Thread : "+i);
        }
    }

}

public static void main(String[] args) {
    Thread t1=new Thread(new T1());
    // t1.start();
    //t1.run();
    T1 obj=new T1();
    obj.run(10);

    for (int i = 1; i <=5; i++) {
        System.out.println("Main Thread : "+i);
    }
}
}

```

Example4: Overriding start method

```

/*
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 */
package mythreading;

/**

```

```

*
* @author Admin
*/
public class T1 implements Runnable{

    public void run(){
        for (int i = 1; i <=5; i++) {
            System.out.println("Child Thread : "+i);
        }
    }
    public void start(){
        System.out.println("This is Start method overriden");
    }

    public static void main(String[] args) {
        Thread t1=new Thread(new T1());
        // t1.start();
        //t1.run();

        T1 obj=new T1();
        obj.start();
        for (int i = 1; i <=5; i++) {
            System.out.println("Main Thread : "+i);
        }
    }
}

```

Example of getName and setName of thread

```

/*
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 */
package mythreading;

/**
 *
 * @author Admin
 */
public class T1 implements Runnable{

    public void run(){
        for (int i = 1; i <=5; i++) {
            System.out.println("Child Thread : "+Thread.currentThread().getName());
        }
    }
    public void start(){
        System.out.println("This is Start method overriden");
    }

    public static void main(String[] args) {
        Thread t1=new Thread(new T1());
        t1.setName("Cybrom Thread ");
    }
}

```

```
t1.start();

//t1.run();

for (int i = 1; i <=5; i++) {
    System.out.println("Main Thread : "+Thread.currentThread());
}
}
```