

Main.java

```
package hilos2c;

import java.util.concurrent.Semaphore;

public class Main {
    protected static Semaphore P1;
    public static void main(String[] args) {
        P1 = new Semaphore(0,true);
        Hilo1 Hil1 = new Hilo1(P1);
        Hil1.start();
        Hilo2 Hil2 = new Hilo2(P1);
        Hil2.start();
        Hilo3 Hil3 = new Hilo3(P1);
        Hil3.start();
    }
}
```

Hilo1.java

```
package hilos2c;

import java.util.concurrent.Semaphore;

public class Hilo1 extends Thread{
    protected Semaphore P1;

    public Hilo1(Semaphore P1)
    {
        this.P1 = P1;
    }
    public void run()
    {
        for (int i=0; i<10; i++)
        {
            System.out.println("Hola");
        }

        this.P1.release(2);
    }
}
```

```
}
```

Hilo2.java

```
package hilos2c;
```

```
import java.util.concurrent.Semaphore;
```

```
public class Hilo2 extends Thread{  
    protected Semaphore P1;
```

```
    public Hilo2(Semaphore P1)
```

```
    {
```

```
        this.P1 = P1;
```

```
    }
```

```
    public void run()
```

```
    {
```

```
        try
```

```
        {
```

```
            this.P1.acquire();
```

```
        }
```

```
        catch(Exception e)
```

```
        {
```

```
            e.printStackTrace();
```

```
        }
```

```
        for (int i=0; i<10; i++)
```

```
        {
```

```
            System.out.println("Adios ");
```

```
        }
```

```
    }
```

```
}
```

Hilo3.java

```
package hilos2c;
```

```
import java.util.concurrent.Semaphore;
```

```
public class Hilo3 extends Thread{  
    protected Semaphore P1;
```

```
    public Hilo3(Semaphore P1)
```

```
    {
```

```
        this.P1 = P1;
```

```
    }
```

```
    public void run()
```

```
    {
```

```
        try
```

```
        {
```

```
            this.P1.acquire();
```

```
        }
```

```
        catch(Exception e)
```

```
        {
```

```
            e.printStackTrace();
```

```
        }
```

```
        for (int i=0; i<10; i++)
```

```
        {
```

```
            System.out.println("BYE ");
```

```
        }
```

```
    }
```

```
}
```