

M T W T F S

Demonstrate Inter process communication
2 & deadlock.

Class Oct

interni,

Boolean value set = False in

synch onized int get()

while ('valveSet')

or y

```
System.out.println("Consumer  
waiting");  
wait(1);
```

wait(1);

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Catcus (Distorted Elephant) e)

d

`System.out.println("Exception
caught");`

```
System.out.println("Not: " + u);  
valueset = false;
```

~~valueset = false;~~

~~valueset = false,~~
~~by stem-out::PriestIn("Sati meat Producer")~~
notify ();

noticing

return;

۶

Synchronized void put (int n)
while (valve set)

{ try

System.out.println ("Producer waiting");
wait();

catch (InterruptedException e)

System.out.println ("Exception caught");

}

This is an interruptible loop
valve set = true;

System.out.println ("Put = " + n);

System.out.println ("Estimate consumer ");

notify();

}

class Producer implements Runnable

Q q;

Producer (Q q)

`this.q = q;`
`new Thread(this, "Producer").`
`start();`

`public void run()`

`int i = 0;`
`while (i < 5)`

`} q.put(i++);`

`Class Consumer implements Runnable`

`Q a;`
`consumer(Q a)`

`this.q = q;`
`new Thread(this, "Consumer").`
`start();`

`public void run()`

`int i = 0;`
`while (i < 5)`

`int r = q.get();`
`System.out.println`
`("consumed: " + r);`
`i++;`

class Producer

```
public static void main (String args [ ])
```

```
{ Queue q = new Q ();
```

```
new Producer (q);
```

```
new Consumer (q);
```

```
System.out.println ("Press
```

```
control - c to stop .");
```

O/P:

Put : 000.

Intimate consumer

producer waiting

Press control - c to stop .

Carat : 02 > i) 32110

Intimate Producer.

Put : 1

Intimate consumer

01 p

Producer waiting
consumer = 0

Hot: 1

Intimate Producer

consumed: 1

Pvt: 2

Intimate Producer

Producer waiting

consumed = 0

Hot: 1

Intimate Producer

consumer: 1

Pvt: 2

Intimate consumer

Producer waiting

Hot: 2

Intimate Producer

consumed: 2

Pvt: 3

~~Intimate consumer~~

consumer: 3

Pvt: 4

Intimate consumer

40% : 4
Intimable Brooder

~~4~~ ~~Count Unread : 4~~

~~981 20024
6/9/2011~~