Assignment 2

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Producer and Consumer Implementation

**class QName**

**{**

**int n;**

**synchronized int get()**

**{**

**System.out.println("Got:"+n);**

**return n;**

**}**

**synchronized void put(int n)**

**{**

**this.n=n;**

**System.out.println("put :"+n);**

**}**

**}**

**class Producer implements Runnable**

**{**

**QName q;**

**Producer(QName q)**

**{**

**this.q=q;**

**new Thread(this,"producer").start();**

**}**

**public void run()**

**{**

**int i=0;**

**while(true)**

**{**

**q.put(i++);**

**}**

**}**

**}**

**class Consumer implements Runnable**

**{**

**QName q;**

**Consumer(QName q)**

**{**

**this.q=q;**

**new Thread(this,"Consumer").start();**

**}**

**public void run()**

**{**

**while(true)**

**{**

**q.get();**

**}**

**}**

**}**

**class ProdConsum**

**{**

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

**{**

**QName q=new QName();**

**new Producer(q);**

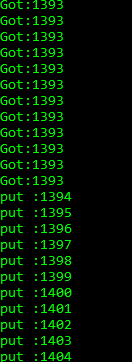
**new Consumer(q);**

**System.out.println(" press ctrl**+**c to stop:");**

**}**

**}**

**Output**

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