Interthread :

```
import java.util.*;
class car_queue
{
    boolean valueset = false
    Synchronized String get()
    {
        try
        {
            while (!Valueset)
            {
                wait();
            }
        }catch(InterruptedException e){
                System.out.println("Exception");
        }
        System.out.println(" Mechanic Serviced
                                    Thankyou");

        valueset = false;
        notify();
        return "Yes";

    }
```

```
Synchronized void put (String msg)
{
    try
    {
        while(valueset)
        {
            wait();
        }
    }catch (InterruptedException e) {
        System.out.println("Exception caught");
    }
    System.out.println(msg);
    valueset = true;
    notify();
}
}
class car_owner implements Runnable
{
    Thread t;
    car_queue cq;
    car_owner(car_queue cq)
    {
        this.cq = cq;
        t = new Thread(this, "Hasban owner");
    }
}
```

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```
public void run()
{
    while (true)
    {
        cq.put("owner: Please Service MyCar");
    }
}

class car_mechanic implements Runnable
{
    Thread t;
    car_queue cq;
    car_mechanic(car_queue cq)
    {
        this.cq = cq;
        t = new Thread(this, "Mechanic");
    }
    public void run()
    {
        while (true)
        {
            cq.get();
        }
    }
}
```

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```
class test
{
    public static void main(String[] args)
    {

        car_queue cq = new car_queue();
        car_owner co = new car_owner(cq);
        car_mechanic cm = new car_mechanic(cq);
        cm.t.start();
        co.t.start();
        try{
            co.t.join();
            cm.t.join();
        }catch(InterruptedException e){
            System.out.println("caught");
        }
    }
```