

Lab week - 10A
Communication and

Demographic data points

deadlock

class A

int n;

boolean valueSet = false;

boolean get() {

System.out.println("in Consumer waiting\n");

while (!valueSet)

try {

System.out.println("in Consumer waiting\n");

while (true);

catch (InterruptedException e) {

System.out.println("InterruptedException caught\n");

}

System.out.println("in Producer Produce\n");

return n;

}

try {

System.out.println("in Producer waiting\n");

while (true);

try {

System.out.println("in Producer waiting\n");

while (true);

catch (InterruptedException e) {

System.out.println("InterruptedException caught\n");

}

while (n = 0;

valueSet = true;

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

System.out.println("in Producer waiting\n");

while (true);

try {

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

while (true);

try {

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

while (true);

try {

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

while (true);

class Producer implements Runnable {

int q;

Producer (int q) {

this.q = q;

new Thread (this, "Producer").start();

{

public void run() {

int i = 0;

while (i < 5) {

q = put (i++);

}

}

}

}

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```
class PCFixed {
```

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

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

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

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

```
        System.out.println ("Press Control-C to stop.");
```

```
    }
```

O/p:

Press Control-C to stop.

Put : 0

Intimate consumer

Producer waiting

Got : 0

Intimate Producer

Put : 1

Intimate consumer

Producer waiting

Consumed : 0

Got : 1

Intimate producer

Consumed : 1

Put : 2

Intimate consumer

Producer waiting

Got : 2

Intimate Producer

Consumed : 2

Put : 3