

# Non-Blocking (“Asynchronous”) Calls

## Caller:

```
extern int sort(int [] a, int max); // really in util...
// declare and init stuff
x = new int [100];
y = new util;
RtnVal = y.sort(x, 100);
```

## What is different with a non-blocking (asynchronous) call?

## What must change in API?

```
ticket = y.sort(x, 100); // !blocks
repeat
    /// do something else for a while
    Done = getReply(Ticket, RtnDataStruct); // !blocks
until done
```

## What goes in RtnDataStruct?

## Why could we not keep original “signature”

```
int sort(int [] a, int max);
```