

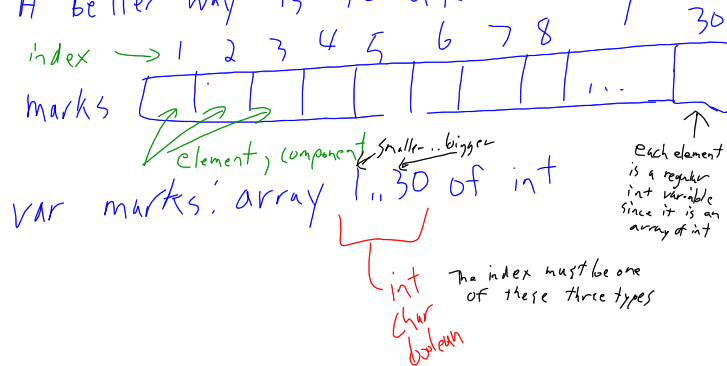
5.1 Arrays

Suppose I wanted to store marks
for the whole class:

I could do this:

```
var mark1, mark2, mark3, ..., mark30: int
```

A better way is to use an array:



You can't use real numbers for an index

```
var badArray: array 1.0..10.0 of string
```

index can't be real or string

```
var wages: array 'A'..'D' of real := init(10.50, 12.40, 20.00, 150.00)
```

declares and initializes an array

you must fill the whole array if you use init

We will learn in 5.2 that you can
assign individual elements in an array
like this:

```
wages('A') := 11.75
```

State the errors in the following. (corrections are in red)

```
var a: array 10..1 of string
```

10, 10

```
var b: array 1.. 'Z' of int
```

can't mix types

```
var c: array 2000..2003 of real := init(1.1, 2.1, 3.2)
```

14.4

```
var d: array 'A'..'D' of int
```

Read section 5.1 in the text book.

Do Exercise 5.1 #1-5 Solutions will be posted Wednesday.

Look for 5.2 on Thursday.