Storing data in Arrays

Suppose that we want to write a program that maybe implements tomething a little more like a sphere book that has both names and numbers and not just integers but actual phone numbers.

Well, we could axolote things like this: we could now have 2 assays — one colled normer, one colled numbers, and I'm going to use strings for the numbers now, because in most esommunities, phone numbers might have dasher, pluses, prunching that really looks more like a string was though we coll it a phone number.

Probables don't mont to use on interests Mest are throw away shore kinds of details.

So let me exceitch book to BS Coole here, and let's do

I more program, this one in a file collect phonebook.e.
Windude < res 50. hz
Windlude < Adio. h? And then, inside of my program,
Minclude < string. hr I'm gaing to give myself 2 oneays the efficient may this
int man (axid) time.
If I want this
string nomes[] = { " laster", "Daid"}. to be on oray, I
don't have to speci
But I do need the square brockets by the number
Then for numbers, I'm again going she compiler con
to use a string array expecifying with round for me.
The curly braces car that have about
later can be at 1-617-495-1000.
string numbers [] = { "+1-617-495-1000",
11+1-949-468-2750"];
TO I STORY TO THE STORY OF STREET WILLIAM STREET
Les Justo to to have a little few with programming,
Seel free to text or cole me some time at that number.
- Land Control of the
Lit's or absord and act is use this date in some uny
to be assert or actually search for my our nome
- VIO MINISTER THE III SO.
dor (int i=0; i(2; i++)

show's Rog us this time > so I less than 2 and them it + as before and now I'm poing to ynactice what I preached earlier, and I'm going to use streampone to find my name in this "David" and that equals a, meaning they're the same,
then just as before, I'm poing to go abread and print some
alling out. ohing out. for (int i = 0; i(2; i++) if (stromp (nomes (i], "David") == 0 frint & ("Found ". S/n", numbers [:]). But dhis time, I'm vitura O; sano to make the magram more useful and not just Soy found or not found > I'm implementing a phone book, like the contacts app on iOS or Andraid So I'm gaing to say something like "Found : slo" numbers [:] mint ["Not dound In"] vo to exte

Sout I do . / phonebook
8.1 phonebook
Found +1-949-468-2750
ac, that's correct. But there's no daility to add namer
or edit Khings:
that of course, could come latter using get string or
something use. But for now, for the solve of discussion,
I've just hardcaded 2 names and 2 numbers.
But for what it does, I claim shis is consect.
But for what it does, I claim shis is correct. = t's gaing to find me and print out my number.
- in log of burn of ing property spaces this
_ But is it well-designed? —
Out us ut well-designed:
Figure of many and many to the
det's start to now consider it we're not just using
orage, but one we wring them, well?
- Loughten to hand got
or designing this program well?
or designing this program well?
Dog Ly It remball too authorable to just mistales
For instance, it I seem up the actual number of
pomer in the north such such that it's now more or
less shon is in the numbur one of or ise verso, it feels

like them's not a tight adopassage relationship between the
is nieces of doto, and it's just sont of is truting sorties
honor witters ghot only time I we named it from a
dines up with numbers [i] And that's fine.
*
It you're the one writing the code, you're probably foot going to really screw this up. But it you start
collaborating with someone else on the program is getting
much, much longer, the odds that you on your collegues
remember that you've sort of just trusting that names
and numbers line up like this is going to fail westerdly-
I Someone's not pains to realize that, and just, the
peade is going to buck. And you're going to stort out putting
du wrong number for names, which is to say it'd be much
nicer it we could somehow couple this 2 pieces of doto,
nomes and number, a little more tightly together so that
you're not just trusting that these 2 independent travioles
names and numbers, has this kind of relationship with
thinxlier.
Is let's remider How we might solve this.
A new feature today that we'll introduce is generally
krown os a dota structure.