



ROLODEX PROBLEM

Modeling a physical device with a C++ program



A ROLODEX



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INPUT

```
Bill Gates:1 Microsoft Way, Redmond, WA:(403) 123-4567  
Cranston Snort:1600 Pennsylvania Ave:(306) 678-9876  
Albert Einstein:Princeton, NJ:(456) 123-8765  
John Smith:123 Elm St.:801-555-1234
```



OUTPUT

Bill Gates	1 Microsoft Way, Redmond, WA	(403) 123-4567
Cranston Snort	1600 Pennsylvania Ave	(306) 678-9876
Albert Einstein	Princeton, NJ	(456) 123-8765
John Smith	123 Elm St.	801-555-1234



PARSING DELIMITED INPUT: THE `string` CLASS

```
John Smith:123 Elm St.:801-555-1234\n
```

```
string name;  
getline(in, name, ':');
```

```
string address;  
getline(in, address, ':');
```

```
string phone;  
getline(in, phone, '\n');  
//getline(in, phone);
```

PARSING DELIMITED INPUT: C-STRINGS

```
John Smith:123 Elm St.:801-555-1234\n
```

```
char name[20];  
in.getline(name, 20, ':');
```

```
string address[35];  
in.getline(address, 35, ':');
```

```
char phone[20];  
in.getline(phone, 20, ':');  
//in.getline(phone, 20,);
```