

# **ROLODEX PROBLEM**

Modeling a physical device with a C++ program

Delroy A. Brinkerhoff



# A ROLODEX



By Poolcode (Own work) [CC BY-SA 3.0], via Wikimedia Commons



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