When you join the Benevolent Order of Programmers, you can be known at BOP meetings by your real name, your job title, or by your secret BOP name. Write a program that can list members by real name, by job title, by secret name, or by a member's preference. Base the program on the following structure:

```c
// Benevolent Order of Programmers name structure
struct bop {
    char fullname[strsize]; // real name
    char title[strsize];    // job title
    char bopname[strsize];  // secret BOP name
    int preference;         // 0 = fullname, 1 = title, 2 = bopname
};
```

In the program, create a small array of such structures and initialize it to suitable values. Have the program run a loop that lets the user select from different alternatives:

- a. display by name
- b. display by title
- c. display by bopname
- d. display by preference
- q. quit

Note that "display by preference" does not mean display the preference member; it means display the member corresponding to the preference number. For instance, if preference is 1, choice d would display the programmer's job title. A sample run may look something like the following:

Benevolent Order of Programmers Report
- a. display by name
- b. display by title
- c. display by bopname
- d. display by preference
- q. quit

Enter your choice: **a**
Wimp Macho
Raki Rhodes
Celia Laiter
Hoppy Hipman