

2.25 C++ example: Married-couple names with variables

zyDE 2.25.1: Married-couple names with variables.

Pat Smith and Kelly Jones are engaged. What are possible last name combinations for the married couple (listing Pat first)?

1. Run the program below to see three possible married-couple names. Note the use of variable firstNames to hold both first names of the couple.
2. Extend the program to declare and use a variable lastName similarly. Note that the output statements are neater. Run the program again.
3. Extend the program to output two more options that about the last names, as in SmithJones and JonesSmith. Run the program again.

Load default template...

```
1 #include <iostream>
2 #include <string>
3 using namespace std;
4
5 int main() {
6     string firstName1;
7     string lastName1;
8     string firstName2;
9     string lastName2;
10    string firstNames;
11    // FIXME: Declare LastName
12    |
13    cout << "What is the first person's first name?" << endl;
14    cin >> firstName1;
15    cout << "What is the first person's last name?" << endl;
16    cin >> lastName1;
17 }
```

Pat
Smith
Kelly
.

Run

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zyDE 2.25.2: Married-couple names with variables (solution).

A solution to the above problem follows:

Load default template...

```
1 #include <iostream>
2 #include <string>
3 using namespace std;
4
5 int main() {
6     string firstName1;
7     string lastName1;
8     string firstName2;
9     string lastName2;
10    string firstNames;
11    string lastName;
12    |
13    cout << "What is the first person's first name?" << endl;
14    cin >> firstName1;
15    cout << "What is the first person's last name?" << endl;
16    cin >> lastName1;
17 }
```

Pat
Smith
Kelly
.

Run

[Feedback?](#)