string& rs; // error! References must

// be initialized

string s("xyzzy");

string& rs = s; // okay, rs refers to s

string s1("Nancy");

string s2("Clancy");

string& rs = s1; // rs refers to s1

string \*ps = &s1; // ps points to s1<a name="31186"></a>

rs = s2; // rs still refers to s1,

// but s1's value is now

// "Clancy"

ps = &s2; // ps now points to s2;

// s1 is unchanged