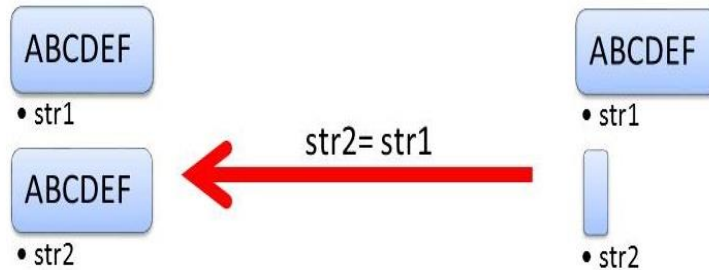# Copy versus Move Semantics

- A class supports **copy semantics** if the class has a copy constructor and copy assignment operator.

- A class supports **move semantics** if the class has a move constructor and a move assignment operator.

- If a class has a copy constructor, it should also have a copy assignment operator. The same holds for the move constructor and move assignment operator.

Copy versus Move Semantics

Copy

```
string str1("ABCDEF");
string str2;
str2 = str1;
```

Move

```
string str1("ABCDEF");
string str3;
str3 = std::move(str1);
```


copyMoveSemantics.cpp