

Copy Constructor Overview

Exercises

Copy Constructor Summary

- Briefly explain what a copy constructor is
- What is the prototype of the copy constructor?

Copy Constructor and Variable Creation

- How is the copy constructor invoked?

When to Write a Copy Constructor

- Explain why it is not normally necessary to implement a copy constructor when writing a class
- In what circumstances is it necessary to implement a copy constructor?

Example of default copy constructor

- The following class does not define a copy constructor
- Write an example of the code that the compiler could generate when synthesizing a copy constructor

```
class Test {  
    int i;  
    string str;  
public:  
    ... // Class interface function declarations  
};
```