

Namespaces Exercises

Namespace

- Briefly explain what is meant by the term "namespace" in C++
- Give an example of a namespace

Namespace example

- Write down code to
 - Define a namespace
 - Declare a class inside this namespace
 - Create an object of this class, outside the namespace

Global namespace

- What is meant by the term "global namespace"?
- How do we declare a symbol in the global namespace?
- Give an example of how to unambiguously refer to a symbol from the global namespace

Name Hiding

- What is meant by "name hiding"?
- Write a program which demonstrates name hiding
- Add code to your program which makes the outside name accessible within the namespace

Using Declarations

- The following code has three definitions of a Test class
- Which version of Test will be used to create testObject?

```
class Test;  
namespace abc {  
    class Test { ... };  
}  
namespace xyz {  
    class Test { ... };  
}
```

```
using xyz::Test;  
Test testObject;
```