

Quiz 9 Answers

1. Write a template function to swap two values.

```
template <class T>
void swap(T& a, T& b)
{
    T temp = a;
    a = b;
    b = temp;
}
```

2. Class `Stuff` is a template class that only has one parameter. Write the standalone function header for the overloaded assignment operator for the class.

```
template <class T>
Stuff<T>& Stuff<T>::operator=(const Stuff<T>& other)
```

3. Given that `List` is a template class, write the code expression which declares `mylist`, a list of integers.

```
List<int> mylist;
```

4. Give an example of a "last in, first out" data structure.

The stack ADT.

5. Give an example of a "first in, first out" data structure.

The queue ADT.