

# Unions Continued Solutions

# Wrapped Tagged Union

- What is the advantage of wrapping a tagged union inside a class?
  - It makes use of encapsulation to enforce safe use of the union
  - The union is a private member of the class
  - It can only be accessed through the public member functions of the class
  - These perform the necessary setting and checking of the tag member

# Tagged Union Example

- Write a simple class which wraps a tagged union
  - Only implement one "getter" and one "setter" member function
- Write a simple program to test your class, similar to the previous exercises
- What happens if the program accesses a different member?
  - The member function will check the tag and see that it does not match
  - It can perform suitable error handling, e.g. return a null pointer or throw an exception