

# Casting Solutions

# Casting

- What are the four different types of cast in C++? Briefly state what each one does
- For `static_cast` and `const_cast`, write a simple program to demonstrate their use
  - `static_cast`
    - Converts an expression to a different type
  - `const_cast`
    - Converts a const expression to the non-const equivalent
  - `reinterpret_cast`
    - Converts data in a buffer to untyped binary data
  - `dynamic_cast`
    - Converts pointer to base class object to pointer to derived