Delegation

- **Delegation** is the alternative to implementation inheritance that should be used when reuse is desired.

- A class is said to delegate to another class if it implements an operation by resending a message to another class.

- Delegation makes explicit the dependencies between the reused class and the new class.

Delegation

- Delegation is a preferable mechanism to implementation inheritance as it does not interfere with existing components and leads to more robust code.

- Note that specification inheritance is preferable to delegation in subtyping situations as it leads to a more extensible design.