Access Rights

- The access rights of the inheritance relation determine which functionality of the base class can be used in the derived class.
- A class can be derived public, protected, and private from its base class.
- For classes the default is private; for structs public.

```
class BankAcc: Acc{... = class BankAcc: private Acc{...
```

Access Rights

Is-a relation between the derived class and the base class

- The public inheritance is called an is-a relation because the derived class has the same interface such as the base class.
- The derived class is a specialization of the base class.
- A is-a relation follows the <u>liskov substitution principle</u>.
- Distinguish between interface inheritance (public) and implementation inheritance (private).

Access Rights

Rules for Access Rights