

Objects , Classes , Inheritance Structure



Virtual class :

- Class that has no vtable pointer, and relies on other classes to implement its virtual functions
- ⇒ In the example, C is the virtual class

Class/ Instance methods

- Class methods don't have "this" argument, usually represented as "o" parameter
 - Vice versa, instance methods have "o" parameter.
- ⇒ In this example, class methods are:
- k in VR table
 - h in VS table

64 bit architecture

- Alignment is 8 bytes size.
- Some common data types and their size :

pointer : 8 bytes

short: 2 bytes

int : 4 bytes

long: 8 bytes

float : 4 bytes

unsigned short: 2 bytes

unsigned int : 4 bytes

unsigned long : 8 bytes

double: 8 bytes