Saturday, 1 May 2021 8:19 PM

## Inheritance

-> allows us to create a new

class from an existing dass. from the base class. class Animal &

- The derived class inherits the features ll eat ()

lass 11 sleep () public Animal ?

back() 11 bask (); class Dog extends Animal &

Inheritance is-a relationship

-> A car is a vehicle -> Orange is a fruit

-> A dog is a animal 11 code

class Dog: private Animal E 1) publice: just the way they are

private : all nember of base class becomes private in derived class protected: public -> protected

prévale -> prévale

lypes of Inheritance Multi level B: public A {

perent ()

Multiple Inheritemee deat () eat () Mannel

Hierarchial Inheritance Base class (RSI)

first

(SBI)

(4) Hyberid

Bat

class Bot: public Mammel, public Flying Afrimal &

second

(ICIE)

Bat 6;

6. eat (); XX

6. PA :: eatc);

6. mainmel: eat();

thing

( MDFC)

friend functions -> allows to access member functions from outside the class. class B prévate: private: priend add (A1B) friend add (A, B)

return objA. vall + obja, vald; Friend class

add (classA AtjA, class B AjB) &

au the member functions of the fevered class become fruind punctions

class Class A E friend class B3

class friend

A virtual function is a member function in the base class that we except to redefine in derived class. class Base E public : rietual void display () ? void draw () 3

Vurtual Functions

3; clase Derurd: public Base & ent main () }

1. draw ();

Derived d: b- o dieplay () 3