**Base class pointer derived class object:**

* Say you have Base \*p = new Derived () => I can’t access derived function but can only for Base class. => You Can call an advance car as basic car

Diagram

Description automatically generated

BUT you can’t have this Derive \*d = new Base() // You can’t called a basic car as advance car

**So When create A \*a = new B() we have to ask:**

1. Does all functions in a appear in both classes?
2. New object create is B
3. B inherite from A

BasicCar \*b = new AdvancedCar();

We say that the AdvancedCar is basic car which is correct

HOWEVER:

AdvancedCar \*a = new BasicCar() is wrong since Basic Car can’t be Advance Car

A picture containing text, person, screenshot

Description automatically generated

Graphical user interface, application

Description automatically generated with medium confidence