Composition -Complex Object-

Composition It is an **object that consists of various cooperating objects**.

An example of this is a mobile phone. A mobile phone is a complex object {parent} consisting of small objects {children} for example "camera, screen, battery, etc."

So a class consists of different classes.

Child objects /**small objects work together to perform a complex object**.

**Why do we use Composition**?

* It is **easy to use and easy to work with** and can **be used with other programmers**.
* Any change that needs to be done, **only the small object/child need to be changed** and not the entire class 'parent'.

**How do we use Composition in our code**?

By **making small object and collecting them all together in one big one**. for example the mobile, we create a class for camera, class for screen, class for battery, etc.. and then collect them all together in big class 'mobile'.