Homework

* Q1: what is the difference between a **class** and an **object**?

The difference between Class and object is:

* + Classes are used to define the structure and behavior of objects, while objects are used to represent specific entities in a program. Classes are typically defined once and can be used to create multiple objects, while each is a unique class instance.
* Q2: what is the difference between a **class** and a **type**?

The difference between a class and type is:

* + **Type** generally refers to the classification of primitive values - integers, strings, arrays, booleans, null, etc. Usually, you can't create any new types.
  + **Class** refers to the named set of properties and methods which an object is associated with when it is created. You can usually define as many new classes as you want, although in some languages you have to create a new object and then attach methods to it.
* Q3: when do we use the keyword ‘**this**’?

We use the keyword ‘this’ when we want to access the attribute of the object.

* Q4: when do we use the keyword ‘**new**’?

We use the ‘new’ keyword when we want to create an object from class definitions

* Q5: how many **objects** can we create from a **class**?

We can create multiple objects from a class.