**Home work**

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

* A class is a template for creating objects in program whereas the object is an instance of a class.
* A class is a logical entity while object is a physical entity.
* A class does not allocate memory space on the other hand object allocates memory space.
* You can declare class only once but you can create more than one object using a class.
* Classes can’t be manipulated while objects can be manipulated.

Q2 : what is the difference between a class and a type ?

* The **class** is a template for an **object** but concrete **object** has a **type**.
* A **type** summarizes the common features of a set of objects with the same characteristics.

Q3 : when do we use the keyword ‘this’ ?

The keyword **this** refers to the current object in a **method** or **constructor**. The most common use of this keyword is use **to eliminate the confusion** between class attributes and parameters with the same name.

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

The keyword **new** we used to create an instance of the class;

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

there is only one object and it is created and initialized in a number in stages.