**Assignment Day-3**

**1.** Given a class named **Patient,** identify what instance methods could be written in this class.

**METHODS:**

* Patient Details (): used to get all the details of patients.
* Tests Required (): includes all the test required details.
* Billing Details (): includes total cost for treatment.
* Reports Storage (): includes all the reports of particular disease of that patient to be stored for future use.

**2.** Given a class named **CPU,** identify the public & private instance members.

**PUBLIC**: Details of CPU spec like clock speed, core count, memory speed, chipset etc. can be public.

**PRIVATE**: The spec design, the coding used to develop

**3.** Given a class named **Media,** assume there are 3 objects of this class. Identify the static members of this class.

The object of media can be print media, broadcast media, internet media.

**Static member of Class Media:**

Medium (internet, paper, broadcast), language, news type (sports, politics etc..) .

**4.** Given a class named **Calculator** & its derived classes named **Standard** and **Scientific,** identify the method which can be overridden by the derived classes.

The normal calculator and the scientific calculator contain some common methods including:

* Addition
* Subtraction ()
* Division ()
* Multiplication ()
* Is Equal ()

These methods can be overridden.

**5.** Given the classes **Bird, Superman, Aeroplane** and **Missile,** identify the usage of interfaces here.

Interfaces here are,

* The common interfaces for all the class are “flighing.”
* Bird and superman can have interfaces like, they both are living things so food, oxygen, shelter.
* Common interfaces between Aeroplan and missile would be fuel and operation.