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

Instance method of the class patient are:

* Get the patients details like name, age, DOB etc.(patientProfile()).
* Taking the details about previous medical check.(patientData()).
* Method for billing info about the patient.(patientBilling()).
* Method for details about the medicine (patientMedicine()).

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

CPU private instance:

* CPU architecture, which instruction of data registers present , processing speed of the processor, memory unit of the CPU, etc.
* CPU public instance: operating software to communication with the CPU,data processing, price, data transfer etc.
* Motherboard
* Registers
* Capacitors
* Transistors

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

If we consider the 3 objects of media are

* Print media
* Broadcast media
* Social media

In all these types of media the first two media are of static media’s i.e once the content is printed or broadcasted that can not be changed at all. And the next one is social media in which the content can be modified.

1. **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 a scientific calculator contain some common methods including:

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

These methods can be overridden.

1. **Given the classes Bird, Superman, Aero plane and Missile, identify the usage of interfaces here**.

The classes Bird, Superman, Aeroplane and missile have same features like all fly to

travel from one place to another, they all fly at certain height but their way of flying

and the height and speed at which they fly is different, even the food is different for

all of them.