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

Ans: Instance method of the class patient are:

1. Getting patient details such as name,age,weight,etc.
2. Getting patient previous medical report.
3. His current checkup details based on it is possible to identify of is thereany change is
4. Now on its report which treatment is given to that person such as whether it required table, injection ,operation etc.
5. We also can create a method for the billing information of the patient.
6. **Given a class named CPU, identify the public & private instance members.**

Ans: 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.

1. It performs artithematic and logical operations.
2. Memory address register(MAR)
3. Program Counter(PC)
4. Public members can be drive, port, microphonejack, button etc
5. **Given a class named Media, assume there are 3 objects of this class. Identify the static members of this class.**

Ans: Class media its objects are SSD,HDD,USB

Static member of the class media are:

1. Storage
2. Price
3. Technology to manufactured the drive
4. Data transfer rate.
5. **Given a class named Calculator & its derived classes named Standard and Scientific, identify the method which can be overridden by the derived classes**.

Ans:The method which are common in patient and derived class,the derived class will override these methods .These method consists of the common operation that any calculator has such as addition, substraction, division, multiplication, clean display turn on or of the computer.

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

Ans: All the classes that is bird,superman , aeroplane,missile having the same functionality of flying but there way of flying s different so we can create the flying interface and its definition is different for different class.