ASSIGNMENT-3

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

  Instance methods:

class Patient

{

Patient Details ();

Tests Required ();

Billing Details ();

Reports Storage ();

}

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

  public and private instance of CPU:

class CPU{

public CD;

public pendrive;

public USB;

public keyboard;

public mouse;

private arithmetic\_logical\_unit;

private control\_unit;

private register;

}

**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 are print media ,broadcast media, social media.

Static members of Class Media:

Medium (internet, paper, broadcast), language, radio .

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

  CALCULATOR:

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

Addition ()

Subtraction ()

Division ()

Multiplication ()

These methods can be overridden.

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

Bird, Superman, Aeroplan and Missile: The common interfaces for all the class are “fly”

interface Fly

{

class Living implements fly{

public void bird();

public void superman();

}

class Non\_living implements fly{

public void aeroplane();

public void missile();

}