Assignment-3 OOPS

1. Class name: Patient

Instance methods:

Age

Name

City

Ethnicity or Race

Address

Emergency contact

1. Class name: CPU

Private Instance members:

* Bus
* Architecture
* ALU
* Control unit

Public Instance members:

* Model number
* Price
* Clock speed

1. Class name: Media

* Play
* Pause
* Speed
* Volume
* Progress bar
* Brightness

1. Parent Class name: Calculator

Child classes name: Scientific and Standard

The override method is used to provide specific uses of a method which are provided by the parent class.

Functions:

* Addition
* Subtraction
* Multiplication
* Division
* Erase
* Percentage
* Equal to

1. The interface in Java directs the behavior of the class by providing an abstract type. Interfaces are used to achieve abstraction.

The classes bird, superman, airplane and missile have the same functionality such as the flying path, altitude, and air speed. But the process how they fly is different for each of these classes, hence we have to create flying interface and the definition is different for each classes.