* Abstraction refers to the ability to make a class abstract in OOP.
* An abstract class is one that cannot be instantiated.
* All other functionality of the class still exists, and its fields, methods, and constructors are all accessed in the same manner.

**Usage:-**

* Abstract class usually comes during the design phase.
* A parent class contains the common functionality of a collection of child classes, but the parent class itself is too abstract to be used on its own.

**Abstract Method:-**

A method without implementation/body we can call it as a Abstract method.

public abstract double computePay();

if a class has atleast one abstract method then the class has to be declared as abstract method.

public abstract class Employee

{

private String name;

private String address;

private int number;

public abstract double computePay();

//Remainder of class definition

}

**How to instantiate/create object for a abstract class?**

* Inherit the abstract class and provide the implementations to the abstract methods.
* If the abstract class doesnt have any abstract methods , you can simply inherit the class and instantiate it.

**What happens if inherited class doesnt provide the implementation to the abstract methods of base class?**

* The inherited/subclass has to be declared as abstract, bcoz now subclass is also having a abstract method which is inherited from the base class.