# Abstract and Interface Assignments

| Sl | Assmt ID DotNet\Obj9 | Assignment |
|---|---|---|
| 1 | **A** | Create an interface called Imammals. The interface should have an additional operation, which is described in the below table.<br><br>Identifier Return Type Parameters<br>--------- ----------- ----------<br>**GetBodyTemp Int String** |
| 2 | **B** | Create a class MyAnimals, which implements the abstract class Animals IMammals. The class MyAnimals should include a property called BodyTemp, which is of type int. Create appropriate get/set accessors for the property. Also ensure the property would be called when the GetBodyTemp method returns a value. |
| 3 | **C** | Create an abstract base class called **Animals**. It should contain a method called **SaySomething()**, which returns **void** and doesn't take in any parameters. |
| 4 | **D** | Next derive a class from Animals called Cat. Implement the Saysomething() method in the derived class. The Saysomething() method should print the following message on the user's."Cats Say Meoow" Derive another class called Dog from the Animals abstract base class. This time the SaySomething() method should print the following message on the user's. "Dogs Say Bow Wow" |
| 5 | **E** | Implement an Interface Ifirst with a Display() method and GetValue() method. Isecond has Display method and Demo() method. Create a class Numbers that derives from both these interfaces. Give explicit implementations of the Display method in the Numbers class In the calling environment create an object of the Numbers class and assign it to the interface references. Find out which all methods are available in each case. |
| 6 | **F** | Create a hierarchy in .NET classes for animal, cat, dog, goat, crow and chicken. The attribute of the class is NoofLegs, color etc. Define abstract methods Cry(),Fly() and Walk() and redefine in the respective derived classes. Implement the concept of abstract classes in this problem.<br><br>Need to use the following methods [Make abstract Class]&[Abstract Methods]<br>**Cry()** [Will return the string like Meow in case of cat]<br>**Fly()** [Inside specify the height that can reach]<br>**Walk()** [println(walking with no of legs)] |