|  |  |  |  |
| --- | --- | --- | --- |
|  | Virtual Class | Interface Class | Abstract Class |
| 1 | Virtual keyword is also Mandatory for the Method Declaration. | In the Parent Class interface keyword is Mandatory for the Declaration of interface.    Abstract keyword is also Mandatory for the Method Declaration. | In the Parent Class Abstract class keyword is Mandatory for the Declaration of the Parent class.  Abstract keyword is also Mandatory for the Method Declaration. |
| 2 | It also contain body for the virtual method and regular method. | In the interface Abstract Method Declaration it does not have a body. But regular method contains body | In the Parent Class  For the Abstract Method Declaration it does not have a body.  But regular method contains body |
| 3 | In the Child class it has a regular method and Override Method for virtual  It is not compulsory to override all the method. | In the child class Method are Defined . Which inherit method from interface . | In the Child class compulsory to give body to the method . |
|  | Parent Class Declaration For all the class |  |  |
| 4 | namespace Virtual\_Class  {  internal class Animal  {  public virtual void Move()  {  Console.WriteLine("Animal is moving.");  }  public void Eat()  {  Console.WriteLine("Animal is eating.");  }  }  } | namespace Interface\_Method  {  internal interface Animal  {  public abstract void Move();  }  } | {  internal abstract class Animal  {  public abstract void Move();  public void Eat () // Regular Method  {  Console.WriteLine("Animal is eating.");  }  }  } |
|  | Child class Declaration for all the class |  |  |
| 5 | namespace Virtual\_Class  {  internal class Dog : Animal  {  public override void Move()  {    Console.WriteLine("Dog is running.");  }  public void Bark()  {  Console.WriteLine("Dog is barking.");  }  }  } | namespace Interface\_Method  {  internal class Dog : Animal  {  public void Move()  {  Console.WriteLine("Dog is Running");  }  }  } | namespace Abstract\_Class;  internal class Dog : Animal  {  public override void Move()  {  Console.WriteLine("Dog is Moving ");  }  public void Bark()  {  Console.WriteLine("Dog is barking.");  }  } |

Key Difference Between Virtual Class , Interface class and Abstract class