1. Consider we have base class as mentioned below:

```
class Base {

   private Base(){}
   protected Base(int a){

      Initialize(a);
   }

   private void Initialize(int x){}
}
```

Another class is derived from "Base" class as mentioned below:

```
class Derived:Base {

   private void Derived(){}

   public void Display(){}
}
```

What changes have to be made in "Derived" class, so we can create an instance of "Derived" class and execute the "Initialize" method of "Base" class.

2. Look at below structure of interfaces and class:

```
interface IA {
   void Display();
   void Populate();
}

interface IB {
   void Display();
   void Fetch();
}

class Base {
```

```
    public Base(){}

    public Display(){}
}
```

Write the structure of "Derived" class which will implement the both interfaces and also the "Base" class as well.

3. Showcase the concept of partial classes and methods with example.
4. Write an application that receives the following information from a set of students:
   Student Id:
   Student Name:
   Course Name:
   Date of Birth:
   The application should also display the information of all the students once the data is Entered. Implement this using List of Structures (use foreach loop).
5. Above example with Dictionary and foreach loop.
6. Write an application that receives the following information from a set of Developer:
   Developer Id:
   Developer Name:
   Salary:
   Skills:

   There is another category which is set of skill have key/value pair i.e. C# with code 101 and .Net with code 201 etc.

   The application should display the information of all the Developer once the data is Entered. Developer must have more than one skill set.