Dt : 3/3/2025

**imp*

Application Development design Models:

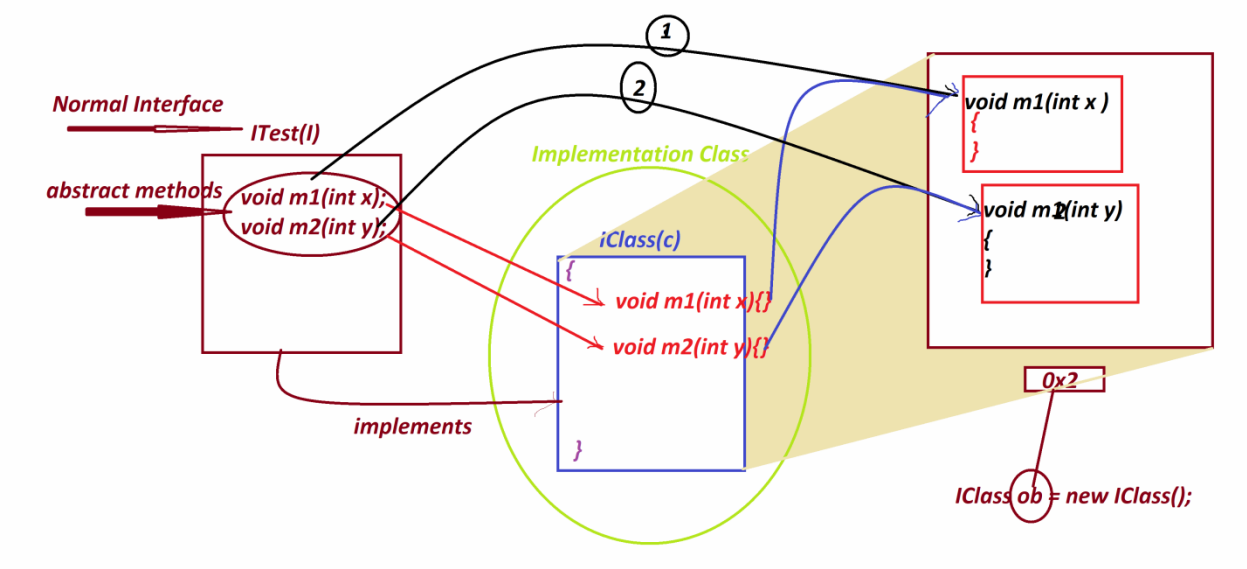
Model-1 : Interface with Implementation class with name.

Model-2 : Interface without Implementation Class_Name

(Anonymous InnerClass as Implementation)

Model-1 : Interface with Implementation class with name.

Diagram:



ProjectName : CoreJava_Model_1

p1 : ITest.java

```
package p1;
public interface ITest
{
    public abstract void m1(int x);
    public abstract void m2(int y);
}
```

p1 : IClass.java

```
package p1;
public class IClass implements ITest
{
```

```
    public void m1(int x)
    {
      System.out.println("*****Implemented m1(x)******");
      System.out.println("The value x:"+x);
    }
    public void m2(int y)
    {
      System.out.println("*****Implemented m2(xy******");
      System.out.println("The value y:"+y);
    }
}
```

p2 : DemoModel1.java(MainClass)

```
package p2;
import p1.*;
public class DemoModel1
{
      public static void main(String[] args)
      {
        IClass ob = new IClass();//Implementation Object
        ob.m1(11);
        ob.m2(23);
      }

}
```

o/P:

******Implemented m1(x)*******

The value x:11

******Implemented m2(xy*******

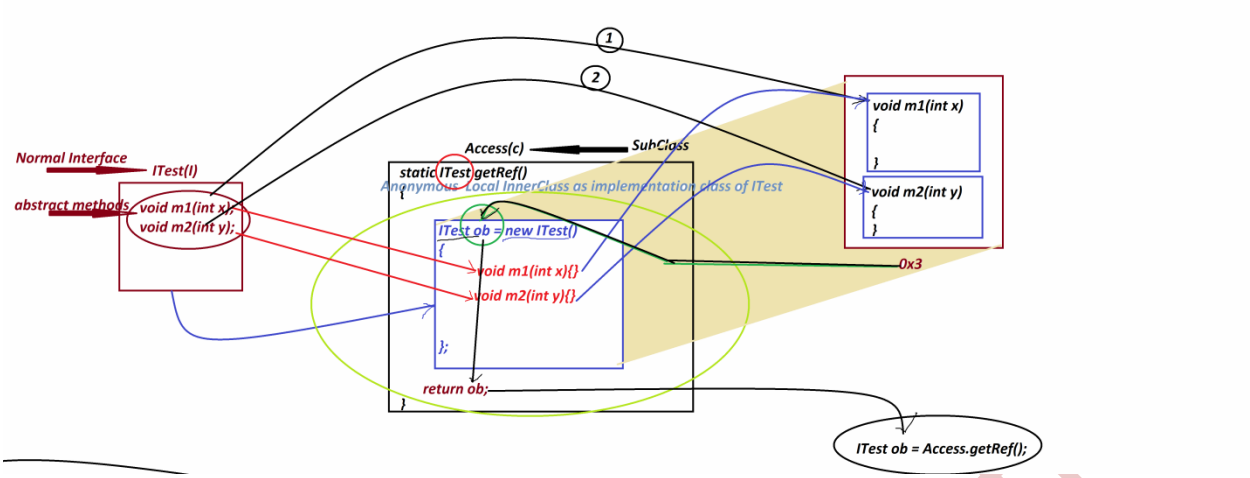
The value y:23

**imp*

Model-2 : Interface without Implementation Class_Name

(Anonymous InnerClass as Implementation)

Diagram:



ProjectName : CoreJava_Model_2

p1 : ITest.java

```
package p1;
public interface ITest
{
    public abstract void m1(int x);
    public abstract void m2(int y);
}
```

p1 : Access.java

```
package p1;
public class Access
{
     public static ITest getRef()
     {
       ITest ob = new ITest()
       {
             public void m1(int x)
             {
                  System.out.println("*****Implemented m1(x)*****");
                  System.out.println("The value x:"+x);
             }
             public void m2(int y)
             {
                  System.out.println("*****Implemented m2(y)*****");
                  System.out.println("The value y:"+y);
             }
       };
       return ob;
     }//OuterClass static method
}//OuterClass
```

p2 : DemoModel2.java(MainClass)

```
package p2;
import p1.*;
public class DemoModel2
{
	public static void main(String[] args)
	{
	 ITest ob = Access.getRef();//Creating and Accessing Implementation
Object
	 ob.m1(11);
	 ob.m2(12);
	}
}
```

o/p:

******Implemented m1(x)******

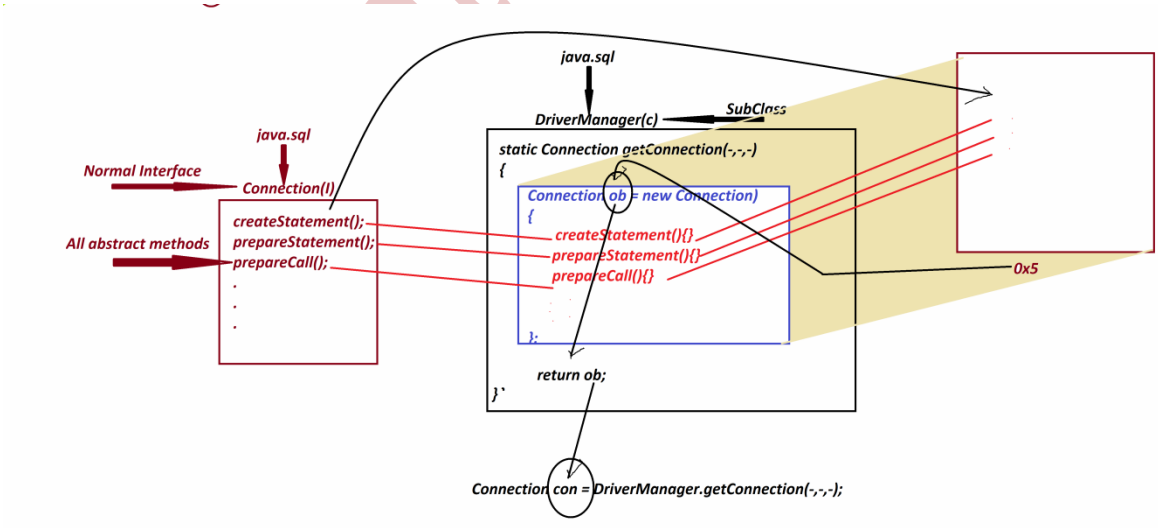
The value x:11

******Implemented m2(y)******

The value y:12

==========

Diagram representing generating 'Connection' implementation Object:



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