**public interface Hotel**

{

    public Menus getMenus();

}

**public class NonVegRestaurant implements Hotel**

{

    public Menus getMenus()

    {

        NonVegMenu nv = new NonVegMenu();

        return nv;

|  |
| --- |
| **public class VegRestaurant implements Hotel**  {      public Menus getMenus()      {          VegMenu v = new VegMenu();          return v;      }  } |

|  |
| --- |
| **public class VegNonBothRestaurant implements Hotel**  {      public Menus getMenus()      {          Both b = new Both();          return b;      }  } |

**public class HotelKeeper**

{

    public VegMenu getVegMenu()

    {

        VegRestaurant v = new VegRestaurant();

        VegMenu vegMenu = (VegMenu)v.getMenus();

        return vegMenu;

    }

    public NonVegMenu getNonVegMenu()

    {

        NonVegRestaurant v = new NonVegRestaurant();

        NonVegMenu NonvegMenu = (NonVegMenu)v.getMenus();

        return NonvegMenu;

    }

    public Both getVegNonMenu()

    {

        VegNonBothRestaurant v = new VegNonBothRestaurant();

        Both bothMenu = (Both)v.getMenus();

        return bothMenu;

    }

}

**public class HotelKeeper**

{

    public VegMenu getVegMenu()

    {

        VegRestaurant v = new VegRestaurant();

        VegMenu vegMenu = (VegMenu)v.getMenus();

        return vegMenu;

    }

    public NonVegMenu getNonVegMenu()

    {

        NonVegRestaurant v = new NonVegRestaurant();

        NonVegMenu NonvegMenu = (NonVegMenu)v.getMenus();

        return NonvegMenu;

    }

    public Both getVegNonMenu()

    {

        VegNonBothRestaurant v = new VegNonBothRestaurant();

        Both bothMenu = (Both)v.getMenus();

        return bothMenu;

    }

}