```
) Public class single object $4
    Private static singleobject s= new singleobject );......
    Private singleobject (){ 4
    public static singleobject getinstange)
                    To be a colony of the real well execute it is
         JULUVH SI
                                    And the tacking partial material
     Public void showHerrage()
        System. out-fedually ("Helloworld");
                                  rosud tothe trade to medal
   Public clan singletonPatternDamo 4
      Public Static void main ( sting CJONGS) /
                                           VOID Hosteds Sund
           Singleobject. getinstance (). shownessage ();
                                All C Reting Padring 034
        7
                                   a distall and molecular
2) Public interbaco item ( 1000 100) took to sirt of
       Public String hame ();
       Public float build ()
                                     7-1200 God 1000 711 du7
     4
       public interface Packing ?
                                          1) St. Caroline
            Public String Pack();
     Public classer wrapper implements Pading ( )
                                "vopus pro" and se
      Public string pack ()4
          return "wrapper";
         4
```

```
Public class Bottle implements Packings
                                public that and aller
 Public String Pack () {
                     to long the first open office of the
     seturn 1 Bottle";
 y 5
                                    prophospuli dans
                       1 Suppliedor 1-4/01-50/En 311-12 31/409
 Public abstract class Burger implements item h.
   Public Packing Packing (){
                                 in i workell was high stake !
                      return new Wapper();
  Public abstract boat being ();
                              A year hoots landaged and strang
Public abstract clan cooldrink implements items
                    specialization () of moissiff. I despect
      Public Packing Padring () 4
         redurn new Bottle ();
         Public abstract bload Price() > Amodi policitui siday
                                   Public Styling bounce (3)
                                 public Pocking packings);
   Public Clan Veg Burger
                              extends Burger (
     Public Sloat brice () 4
                               public indexline packings
        return 25.0f;
                               LEDSON PRODE DUCKET
      public String hame confirment would sinder
           Scaturn "veg Borger"; dellas printe since
                                  VINDYW WYSTER
```

JAJ AVAL

```
public clan chicken Burger extends Burgert
  public bloat joice () f-1
      Jesturn 50.5f;
   4
  public String name (1)
      return "cuicken Burger";
   4
public clan coke extends cold Drinks
 4
  Public bloat brice ()1.
      (10.05 muters
   4
  Public Sting name (>
     return "(Oke")
                   which it stopped to a survey
 4
Public clan Persi extends cold Drink f
    Public Gloat paice () 4
      sectorn 30.0f;
   4
   public string hame (){
      Jecturn "Persi";
  4
```

```
ALLE CLOS Chicken is vow in addition and single
Public clan Meal 6
  Private List citems items - new toward List zitem >():
   public void additem (item item) {
         items. add (item);
                                elblic for lover).
    Public bloadget(0)+()}
         $1000 cost = 10.0f;
         bor (item item: Hems)}
          Cost += item. Price ():
          HOD nicked
                                Kroped pulls stay
   Public void showitems () 1
                                   bor (item item: items){
      System and beintly ("itemstitem name());
      System. and Swint Mi ("packing" + item. Packing () Pack());
       systemout-builty ( price" +item. Price ());
                               10. 8 0000
                              Probit Short Lower ...
```

" Tol" makes

```
blic dan MealBuilder 1
   public Meal Preladeleg Heal ()4
      Meal meal = new Meal ();
       meal, additem (new VegBorger(1);
       meal-additem (new coke());
      i lotert medi charlos charlis i los modero
                     I will work in the work of the fire
  public, Head Prefare Low veg Meal () {
  Meal meal = hew Meal ();
      meal-additem (new chickenBurger ());
     meal.additeur ( new Pepsi());
     guturn meal;
                 · Motor & Stocker & Stocker & Looker & troy with
              into I rolling to the control of the Adolphing to the
Public class BuildurPatternoemon & turilo probabilities volo 201409
 Public Static void main (sting [] avoigs)
  Meal Builder meal Builder = new Meal Builder (2)
  Meal veg Heal = meal Builder. Defare veg Meal ();
   System. out-trinten ("veg Meal");
     Veg Meal. Showitems ()
                              A) was begin to half
 Sg stein out frintly ("total Cost"+ veg Meal. get Cost ()):
   Meal non vegiteal = helat Builder. Live Pare Non veg Meal (2.
 system. out bejutin & nin NoN- kg Med");
hon veg Hed. show item S();
    System. over brintly (" Jotal Cost "thouse Hear. get cost(2);
 5 9
```

```
Inlak
                           A THEN DEPOSIT OF THE STATE OF
2) Public interface Birthday ?
                         other thank a bear being
         int adjean();
        Mouth Gel Mouth ();
                      (i role) and blanding
        int getlay ();
               is Later Than (Birtuday other);
        boolean issame (Birthday Other);
                          Property Profession Contraction
   Public enum Monty 1
     January, February, March, April, May, June, July, Lugust, September,
     October, November, Pecamber,
                         ( it is were ) must the to me
                                       LOOKI NY JOR.
   import · Solution 4-1' Pate Class Adapter Factors;
  import Solution 4-1. Dadeobject Adapter Factory:
   Public class Birthday dient & Asudian totalistica works sinds
         Private binal Birtuday Factory Factory
         Birthday client (Birthday Factor) factory) L
           this bactor = bactors in the share - local or being
                          System and bould " org Meal");
                             West Low tens (1)
       Public Void Sun (X
     Birtuday my Birtuday = bactory . get Birtuday (1965 ) Birtuday.
        Mouty. December
     Birtuday ofuer Birtuday = bactory get Birtuday (2001, Birtuday.
                               MoutuDecombered MoutuDecombered
```

with the first to the training of the west of the said

```
Birtuday thirBirtuday = factory get Birtuday (1987, Birtuday . Moudu. Africi).
 Sytem out-heintly ("wy Birtuday:" + my Birtuday )i
 sytem oud. buint ly ("other pirtuday:"+ other Birtuday);
 system out-builty ("tridBirtuday:" + thirdBirtuday);
 sytem and faintly ("my Birtuday is Later Than (other Birtualy):"+
  myBirtuday. is Later Thair (of her Birtuday);
  System out. Leinty ("myBirthday. is Later Than (third Birthday): "+
     my Birtuday it atertuan (tuindBirthday);
  System. and point ly ("my Birtuday is same (other Birtuday):"
        myBirtuday is same (other Birtuday));
  system out foirth ("my girthday is same (offind Birthday).
      myBirtuday. is same (twird Birtuday Di
 Public Static binal void main (String [] asungs) ?
  new Birtudargaient (Dateobject Adapter Factory · Instance) · vun ()
   System.out. heindln (" .... ")>
   new Birtydayclient (Parte dans Adapter Factory INSTANCE) run();
  Public Sinterbace Birtyday Factory L
    Birtuday get Birtuday Ciut year, Birtuday. Mouter mouth, int day);
                                      sighed something indeal
        (NOWS FOR S PENSON, NOUS NOWS S POR WHOLE)
```

3) Public dan herson Private String name; Private sting gender; Private string movitalstatus; Public bron (string name, string gender, string marital status) 2. Euis name : hame; with a war in war a figure this gender: gendin; tuis. mosital status masital Hatus; Public String get Name () all said to be let . Tom? . The porty again Tetorn home; Public String getbreuder () Suply guts I strok by took in histograhum I will return gender; Public String get Marital Status () 4 scoturn modified stades; propriets and a subject and ag styll those where we'll have toil use the or unknown Public interface Criteria public List & buson > meet Criteria (List < Person Person);

```
Jubic clan Male Criteria, imprements criteria
  Public List & Revson - meetingeria (- List Zhonson - Person)
   List & Person > maleper son= new Array List < Person > ();
    Por (bearon bearon: bearons)
      of ( Pevion, get Golder () equals I grove Case ("male")
         male Persons, add (Person);
       Dictorn male Persons;
Public dan Female Criteria implements Criteria
    Public List & Persons meet Criteria ( List&Person & Persons)
   h List <person > bemale Person S = new Array List 2 Person > ();
    for (for on person: Persons)
    4 ( person. get Grendy (): equals I gnore (ase ("bemale")))
        bemale prison.add (herison):
      roturn bemaly Person;
```

```
Married Criteria implements Guitevia.
public clan
  public List < Person > med (riteria (List < person > Persons)
  1 List 2 Person > married Person = hew trany List < Person > co;
    bor (Person Person: Persons)
   46 (becon get Hovital Status () equals I gno recan ("Mario
     massied persons add (persons);
    . suosval baisesson uvotest
Public Class Not Married Griteria
Public List & persons Meet Criteria (Zist < Persons Persons),
  List < Person > not Mosovied Persons = new Array List < Person > C);
   Box (Person Person: Persons)
        (Person-get Movital Hodux), Rands Ignore Case ("Not Marrial"
         not Married Persons. add (person),
        restu h not Married Persons.
                                 two rightenish or
```

public class criteria tudo codition implements criteria I private Criteria Criteria; private Criteria ofuer criteria; Public Criteria Aut Coudition (Criteria criteria, Criteria Ofuercriteria). 6 tuis. Criteria = criteria; tuis. Other Critera = Other Criteria; y Aroust of some Largery of third it is in the Public List & Person > melt Criteria (List& Person > Person) List L Person > first Criteria Lorson 3 = Criteria meet Criteria (Persons); solven Other (rikeria meet (rikeria (brist giteria Persons): Public dans Guiteria Pattern Pemo Public Status Public static void main (String [] advigs) / List < Person > Persons = new ArrayList & Personz (); person's add (new person ("Robert", " male, " Not movied"), Persons add (new Person ("john", "male", "Massied")). Persons add (new person (" wile", " Male", " Mot Mossied")); - Person add (how person ("BOBBY", " Male", " Not massing"). Persons, add (how person ("Lauro", "felamb", "hoveried")); Persons. add (new Person (" piana", bemale ", hot noteried")): printpersons (levous); male = Heronew Male (riferia ())

sy stemout bijdly ("Males:");

```
Printlercon (male, meet Criting ( Persons))
  Criteria beenale = new Female Criteria ();
  System. out. boundly ("Femolosi")
    Criteria ();
     LeintRevious (not Mouried. meet (vikia (persons)),
    Criteria to mossied = new Married Criteria ();
    System. and. brintly (movied meet Criteria (Persons))
Criteria Not howaied of Female : hew Criteror Coulition (not howing
  Print Revon (hot hasound or Female, meet (riteria (Person));
                void bringler bus (List < Persons Person)
  Public Static
   bor ( Person Person)
         List & Persons Product - Low Array Ent - Herrards
 System and - word by (" person: [ Name: " + person, get lame () + "Crendoff+
      Person gel Gender ()+ " " Mobilital States : " + Person get Monital States
                  A" "Show " " water west " Brown more of
   grand of the total and the second
  By a silvery " hamply" "mile I'' > 21 . if with I halve me I's
"(" places of " maid "maily " home y well have a self.
                                 private ray ( losses)
        Contiens here here had there is in
                 if whom ' Indicated berough to
```

```
POST-1AB
i) juterbace Command
 h public void execute ();
  4
                                -- you brase a helica
  class Light
   h public void out)
     h system and foundly ("Light is Ou");
                              on An bind had a
     4
    public void off()
      h system. out-bridly ("Light isoth").
   y y
 . Class Lighton Command implements Command
                 1 - 1 Miles in the way of
       Light Light;
     Public Lighton Command (Light Light)
                                DENIES SING SUNING
    h teis. light = Light;
                         sarsh Thulloing bas walle
        public wid execute ()
      h sight, on ();
                             Millie Wit Solladion
  Class Lightoff Command implements. Command
       Public Lightoff Commant (Light light)
      Light light
   ١
           Euis light = light,
        5
```

```
Poblic void execute (){
                                         humar mysty
        light. off();
clay steveo &
      Public void ou()
      < ystem and horized by ("sterooisou");
                       griss their alleigh hower to
     4
      public void off()
      4 system. and-boundly (" ste veo is obb");
        Public void-selCDC) hamber hamber
         4 system. and fortully ("steven is set"+ "lor (p inpat)
                      (high tight outsummed (high sight)
      5
  Public void sodpud()
   4 System. out . pointly ("steven is set "+" box pup input");
    4
   Public void Selfadio()
      system out bejuty ("Stever is set "t" by & Radio
                                          Jugar J
     Public void & Volume (int Wolume)
                         Lady Command Colding
     L
                                the licely - field
```

```
System and haindly ("stereo volume at" + "to" + volume);
Man Steven of Ownand implements Command
   stereo , Stereo;
   Public Stevenobb Command (Steven Steven)
        tuis. Steven = steven )
                              SUPPLIES AND
  Public void execute()
      sdeveo off();
                                 This or this
cran Steve oou with Cocommand implements Command
                               Intertuple ( auto)
  4 Steveo Steveo;
    Public Storeo with Coccommand (Steiner Stered)
 tuis. Steveo= steveo;
                        to a buy id . . . - bupit bupit
     Public void execute of
 Steveo Ou ();
        Steven · set (DC); selection is a selection
Steveo. Set volume (10)
                       Mayon it will be the Property
      received by the fourward ( here the me afficienting )!
                     Elleng of new salted to be
```

```
Shuple RemoteControl
4
   Gurmand slot;
   Public SimpleRemoté Control ()
   Public Void Set Command Command Command)
      ( lot = Command)
    4
   Public void button Warstrewed ()
       slot execute ();
          honorus abore - pur handresses whater weed i
class Remote Coutro Test
    Public static wid main (String [70009])
      simple fémote dontrol remote = hew Simple Remote Control 1);
     Light light = hew light (7)
      Steveo Steveo = new Steveo (); ) of ind
       scennote, Set Command (new Lighton Command (light));
       vouster botton was frened ():
      remote, Set Command ( new Steve OO Myrita Co Command Costered)
      scenate, button was proped();
      remote. Set Command (new steres of Command (steres));
       remote. button was Premed (1)3
```

age to the inthing of first county