WEATHER FORECASTING – COMPUTER APPLICATIONS PROJECT

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package project;

import java.util.\*;

class weather\_forecasting

{

String desc[]=new String[4];

int cn,cnn,cj,cd,ck,cg,ci,ce,cq,cs,cdes=0,c1=0,cha=0,f=0,mod=0,de=0,ad=0,f1=0,f2=0;

String pas,city;

int ch=8;

String cmax="34.0",mmax="30.0",dmax="35.0",kmax="32.0",mmin="25.0",dmin="27.0",kmin="26.0",cmin="26.0";

String mheatindex="31.0",dheatindex="34.0",kheatindex="30.0",cheatindex="33.0";

String mdp="26.0",cdp="22.0",kdp="13.0",ddp="28.0";

String mwv="13.1",dwv="15.0",kwv="10.0",cwv="16.0",mpre="242.2",cpre="140.0",kpre="127.6",dpre="253.9";

String mat="1005.98",dat="1003",kat="1003",cat="1006";

String mhu="71",dhu="89",khu="35",chu="62";

String wd="",ss="",sr="",cc="";

boolean tr;

int k=0;

String mvis="Not available",dvis="Not available",cvis="Not available",kvis="Not available";

Scanner S=new Scanner(System.in);

void home()

{ cn=0;

Date d=new Date();

System.out.print("\f");

System.out.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");

System.out.println(" NATIONAL WEATHER FORECASTING SERVICE ");

System.out.println(" DAILY WEATHER FORECAST ");

System.out.println(" "+d);

System.out.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");

System.out.println("It gives you a weather forecast that is quick and easy to read,not");

System.out.println("skipping details that are actually important.");

System.out.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");

System.out.println("Choose location");

System.out.println("1.Mumbai,India\n"+"2.Delhi,India\n"+"3.Chennai,India\n"+"4.Kolkata,India\n \*\*\n"+"5.Admin log in\n"+"6.Exit");

do{

ci=S.nextInt();

switch(ci)

{

case 1:

mumbai();

cn=0;

break;

case 2:

delhi();

cn=0;

break;

case 3:

chennai();

cn=0;

break;

case 4:

kolkata();

cn=0;

break;

case 5:

admin\_check();

cn=0;

break;

case 6:

{

System.out.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");

System.out.println(" THANK YOU");

System.out.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");

try

{

Thread.sleep(2200);

}

catch(InterruptedException ex)

{

}

System.exit(0);

}

default:

System.out.println("Wrong choice!Choose again.");

cn=1;

}

}while(cn==1);

}

void mumbai()

{

System.out.print("\f");

System.out.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");

System.out.println(" NATIONAL WEATHER FORECASTING SERVICE ");

System.out.println(" DAILY WEATHER FORECAST ");

System.out.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");

System.out.println(" MUMBAI,INDIA");

System.out.println(" CHHATRAPATI SHIVAJI INTERNATIONAL");

System.out.println("");

System.out.println(" Feels like: 31°C\tOvercast\tWind from South-west");

wd="south-west";

sr="6:15 am";

ss="7:14 pm";

cc ="overcast";

System.out.println();

System.out.println("Show on more details on Mumbai's:");

sub\_menu();

c1=0;

do{

if(c1!=0)

{

System.out.println("Next,show more details on Mumbai's:");

//ch=0;

}

ch=S.nextInt();

switch(ch)

{

case 1:

c1=1;

if(mmax.equalsIgnoreCase("Not available")==true)

{

System.out.println("Maximum temperature:"+mmax);

}

else

{

System.out.println("Maximum temperature:"+mmax+"°C");

}

System.out.println("Minimum temperature:"+mmin+"°C\n"+"Feels like(heat index):"+mheatindex+"°C");

break;

case 2:

c1=1;

if(mpre.equalsIgnoreCase("Not available")==true)

{

System.out.println("Precipitation:"+mpre);

}

else

{

System.out.println("Precipitation:"+mpre+" mm");

}

System.out.println("Clouds:"+cc+"\n"+"Dew point:"+mdp+"°C");

break;

case 3:

c1=1;

if(mwv.equalsIgnoreCase("Not available")==true)

{

System.out.println("Wind velocity:"+mwv);

}

else

{

System.out.println("Wind velocity:"+mwv+" kilometres per hour");

}

System.out.println("Wind direction:"+wd);

break;

case 4:

c1=1;

if(mat.equalsIgnoreCase("Not available")==true)

{

System.out.println("Atmospheric pressure:"+mat);

}

else

{

System.out.println("Atmospheric pressure:"+mat+" hPa");

}

break;

case 5:

System.out.println("Sunrise:"+sr+"\n"+"Sunset:"+ss);c1=1;

break;

case 6:

if(mvis.equalsIgnoreCase("Not available")==true)

{

System.out.println("Visibility:"+mvis);

c1=1;

}

else

{

System.out.println("Visibility:"+mvis+" kilometres");

c1=1;

}

break;

case 7:

cdes=0;

we\_des(cdes);c1=1;

break;

case 8:

home();c1=1;

break;

default:

c1=1;

System.out.println("Wrong choice!");c1=1;

break;

}

System.out.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");

}while(1==1);

}

void delhi()

{

System.out.print("\f");

System.out.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");

System.out.println(" NATIONAL WEATHER FORECASTING SERVICE ");

System.out.println(" DAILY WEATHER FORECAST ");

System.out.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");

System.out.println(" DELHI,INDIA");

System.out.println(" GOLF LINKS");

System.out.println("");

System.out.println(" Feels like: 34°C\tMostly cloudy\tWind from east-northeast");

wd="east-northeast";

ss="7:13 pm";

sr="5:42 am";

System.out.println();

System.out.println("Show more on details on Delhi's:");

sub\_menu();

c1=0;

do{

if(c1!=0)

{

System.out.println("Next,show more details on Delhi's:");

//ch=0;

}

ch=S.nextInt();

switch(ch)

{

case 1:

c1=1;

if(dmax.equalsIgnoreCase("Not available")==true)

{

System.out.println("Maximum temperature:"+dmax);

}

else

{

System.out.println("Maximum temperature:"+dmax+"°C");

}

System.out.println("Minimum temperature:"+dmin+"°C\n"+"Feels like(heat index):"+dheatindex+"°C");

break;

case 2:

c1=1;

if(dpre.equalsIgnoreCase("Not available")==true)

{

System.out.println("Precipitation:"+dpre);

}

else

{

System.out.println("Precipitation:"+dpre+" mm");

}

System.out.println("Clouds:"+cc+"\n"+"Dew point:"+ddp+"°C");

break;

case 3:

c1=1;

if(dwv.equalsIgnoreCase("Not available")==true)

{

System.out.println("Wind velocity:"+dwv);

}

else

{

System.out.println("Wind velocity:"+dwv+" kilometres per hour");

}

System.out.println("Wind direction:"+wd);

break;

case 4:

c1=1;

if(mat.equalsIgnoreCase("Not available")==true)

{

System.out.println("Atmospheric pressure:"+dat);

}

else

{

System.out.println("Atmospheric pressure:"+dat+" hPa");

}

break;

case 5:

System.out.println("Sunrise:"+sr+"\n"+"Sunset:"+ss);

c1=1;

break;

case 6:

if(dvis.equalsIgnoreCase("Not available")==true)

{

System.out.println("Visibility:"+dvis);

c1=1;

}

else

{

System.out.println("Visibility:"+dvis+" kilometres");

c1=1;

}

break;

case 7:

c1=1;

cdes=1;

we\_des(cdes);

break;

case 8:

c1=1;

home();

break;

default:

c1=1;

System.out.println("Wrong choice!");

break;

}

System.out.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");

}while(1==1);

}

void chennai()

{

System.out.print("\f");

System.out.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");

System.out.println(" NATIONAL WEATHER FORECASTING SERVICE ");

System.out.println(" DAILY WEATHER FORECAST ");

System.out.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");

System.out.println(" CHENNAI,INDIA");

System.out.println(" CHENNAI INTERNATIONAL");

System.out.println("");

System.out.println(" Feels like: 33°C\tMostly cloudy\tWind from west-southwest");

wd="west-southwest";

ss="6:36 pm";

sr="5:54 am";

cc ="mostly cloudy";

System.out.println();

System.out.println("Show more details on Chennai's:");

sub\_menu();

c1=0;

do{

if(c1!=0)

{

System.out.println("Next,show more details on Chennai's:");

}

ch=S.nextInt();

switch(ch)

{

case 1:

c1=1;

if(cmax.equalsIgnoreCase("Not available")==true)

{

System.out.println("Maximum temperature:"+cmax);

}

else

{

System.out.println("Maximum temperature:"+cmax+"°C");

}

System.out.println("Minimum temperature:"+cmin+"°C\n"+"Feels like(heat index):"+cheatindex+"°C");

break;

case 2:

c1=1;

if(cpre.equalsIgnoreCase("Not available")==true)

{

System.out.println("Precipitation:"+cpre);

}

else

{

System.out.println("Precipitation:"+cpre+" mm");

}

System.out.println("Clouds:"+cc+"\n"+"Dew point:"+cdp+"°C");

break;

case 3:

c1=1;

if(cwv.equalsIgnoreCase("Not available")==true)

{

System.out.println("Wind velocity:"+cwv);

}

else

{

System.out.println("Wind velocity:"+cwv+" kilometres per hour");

}

System.out.println("Wind direction:"+wd);

break;

case 4:

c1=1;

if(cat.equalsIgnoreCase("Not available")==true)

{

System.out.println("Atmospheric pressure:"+cat);

}

else

{

System.out.println("Atmospheric pressure:"+cat+" hPa");

}

break;

case 5:

c1=1;

System.out.println("Sunrise:"+sr+"\n"+"Sunset:"+ss);

break;

case 6:

if(cvis.equalsIgnoreCase("Not available")==true)

{

System.out.println("Visibility:"+cvis);

c1=1;

}

else

{

System.out.println("Visibility:"+cvis+" kilometres");

c1=1;

}

break;

case 7:

c1=1;

cdes=2;

we\_des(cdes);

break;

case 8:

c1=1;

home();

break;

default:

c1=1;

System.out.println("Wrong choice!");

break;

}

System.out.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");

}while(1==1);

}

void kolkata()

{

System.out.print("\f");

System.out.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");

System.out.println(" NATIONAL WEATHER FORECASTING SERVICE ");

System.out.println(" DAILY WEATHER FORECAST ");

System.out.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");

System.out.println(" KOLKATA,INDIA");

System.out.println(" ACTION AREA IIB");

System.out.println("");

System.out.println(" Feels like: 30°C\tScattered clouds\tWind from north-northwest");

wd="north-northwest";

ss="5:07 pm";

sr="6:17 am";

cc ="scattered clouds";

System.out.println("Show more details on Kolkata's");

sub\_menu();

c1=0;

do{

if(c1!=0)

{

System.out.println("Next,show more details on Kolkata's:");

c1=1;

}

ch=S.nextInt();

switch(ch)

{

case 1:

c1=1;

if(kmax.equalsIgnoreCase("Not available")==true)

{

System.out.println("Maximum temperature:"+kmax);

}

else

{

System.out.println("Maximum temperature:"+kmax+"°C");

}

System.out.println("Minimum temperature:"+kmin+"°C\n"+"Feels like(heat index):"+kheatindex+"°C");

break;

case 2:

c1=1;

if(kpre.equalsIgnoreCase("Not available")==true)

{

System.out.println("Precipitation:"+kpre);

}

else

{

System.out.println("Precipitation:"+kpre+" mm");

}

System.out.println("Clouds:"+cc+"\n"+"Dew point:"+kdp+"°C");

break;

case 3:

c1=1;

if(kwv.equalsIgnoreCase("Not available")==true)

{

System.out.println("Wind velocity:"+kwv);

}

else

{

System.out.println("Wind velocity:"+kwv+" kilometres per hour");

}

System.out.println("Wind direction:"+wd);

break;

case 4:

c1=1;

if(kat.equalsIgnoreCase("Not available")==true)

{

System.out.println("Atmospheric pressure:"+kat);

}

else

{

System.out.println("Atmospheric pressure:"+kat+" hPa");

}

break;

case 5:

c1=1;

System.out.println("Sunrise:"+sr+"\n"+"Sunset:"+ss);

break;

case 6:

if(kvis.equalsIgnoreCase("Not available")==true)

{

System.out.println("Visibility:"+kvis);

c1=1;

}

else

{

System.out.println("Visibility:"+kvis+" kilometres");

c1=1;

}

break;

case 7:

c1=1;

cdes=3;

we\_des(cdes);

break;

case 8:

c1=1;

home();

break;

default:

c1=1;

System.out.println("Wrong choice!");

break;

}

System.out.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");

}while(1==1);

}

void we\_des(int cdes1)

{

switch(cdes)

{

case 0:

if(mmax.equalsIgnoreCase("Not available")==false && mwv.equalsIgnoreCase("Not available")==false)

{

desc[0]="Overcast conditons develop during the day.High "+mmax+"°C.Winds southwest at\n"+mwv+" km/hr.";

}

else

{

desc[0]="Not available";

}

break;

case 1:

if(dmax.equalsIgnoreCase("Not available")==false && dwv.equalsIgnoreCase("Not available")==false)

{

desc[1]="Mostly cloudy early.High "+dmax+"°C.Winds east-northeast at "+dwv+ "km/hr.";

}

else

{

desc[1]="Not available";

}

break;

case 2:

if(cmax.equalsIgnoreCase("Not available")==false && cwv.equalsIgnoreCase("Not available")==false)

{

desc[2]="Partly cloudy skies early will give way to cloudy skies late.High near\n"+cmax+"°C. Winds west-southwest at "+cwv+" km/hr.";

}

else

{

desc[2]="Not available";

}

break;

case 3:

if(kmax.equalsIgnoreCase("Not available")==false && kwv.equalsIgnoreCase("Not available")==false)

{

desc[3]="Scattered clouds early.High "+kmax+"°C.Winds from north-northwest at "+kwv+" km/hr.";

}

else

{

desc[3]="Not available";

}

break;

}

System.out.println(desc[cdes1]);

}

void sub\_menu()

{

System.out.println("1.Temperature\n"+"2.Precipitation,humidity,clouds and dew point\n"+"3.Wind\n"+"4.Atmospheric pressure\n"+"5.Sunrise and sunset\n6.Visibility\n7.Brief weather description\n"+"8.Back to home screen");

}

void admin\_check()

{

System.out.print("\f");

System.out.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");

System.out.println(" NATIONAL WEATHER FORECASTING SERVICE ");

System.out.println(" DAILY WEATHER FORECAST ");

System.out.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");

System.out.println(" ADMIN LOG IN");

{

int c=0;

do

{

System.out.println("enter admin password(password:java)");

pas=S.next();

if(pas.equals("java"))

{

admin();

k=1;

}

else

{

c++;

if(c==3)

{

System.out.println("You have entered an incorrect password three times.You will now be redirected to the home screen");

try

{

Thread.sleep(2000);

}

catch(InterruptedException ex)

{

}

home();

}

System.out.println("Wrong password.Try again");

k=0;

}

}while(k==0);

}

}

void admin()

{

System.out.print("\f");

System.out.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");

System.out.println(" NATIONAL WEATHER FORECASTING SERVICE ");

System.out.println(" DAILY WEATHER FORECAST ");

System.out.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");

System.out.println(" ADMIN WORKSPACE");

System.out.println("Do you want to:");

System.out.println("1.Enter data\n"+"2.Modify existing data\n"+"3.Delete existing data\n4.Go back to the home screen");

c1=0;

do{

if(c1!=0)

{

System.out.println("Next,do you want to:");

}

cd=0;

cd=S.nextInt();

switch(cd)

{

case 1:

f2=0;

c1=0;

add();

c1=1;

break;

case 2:

cha=0;

modify();

c1=1;

break;

case 3:

f1=0;

delete();

c1=1;

break;

case 4:

home();

c1=1;

break;

default:

System.out.println("Wrong choice");

c1=1;

break;

}

}while(1==1);

}

void add1()

{

System.out.print("\f");

System.out.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");

System.out.println(" NATIONAL WEATHER FORECASTING SERVICE ");

System.out.println(" DAILY WEATHER FORECAST ");

System.out.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");

System.out.println(" ADMIN DATA ENTRY WORKSPACE");

System.out.println("Choose location");

System.out.println("1.Mumbai,India\n"+"2.Delhi,India\n"+"3.Chennai,India\n"+"4.Kolkata,India\n \*\*\n5.go back to admin homescreen");

ck=0;

ck=S.nextInt();

if(ck==5)

{

admin();

}

else if(ck>=6 || ck<=0)

{

do{

System.out.println("Wrong choice!Choose again");

ck=S.nextInt();

if(ck==5)

{

admin();

}

}while(ck>=6 || ck<=0);

}

System.out.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");

if(f2!=0)

{

add();

}

}

void add()

{

do{

if(f2==0)

{

add1();

f2=1;

}

System.out.println("enter the visibility of the city in kilometres(correct to the first decimal)");

c1=0;

switch(ck)

{

case 1:

mvis=S.next();

c1=1;

break;

case 2:

dvis=S.next();

c1=1;

break;

case 3:

cvis=S.next();

break;

case 4:

kvis=S.next();

c1=1;

break;

}

System.out.println("The data is being entered..");

try

{

Thread.sleep(3000);

}

catch(InterruptedException ex)

{

}

System.out.println("The data has been entered succesfully.");

System.out.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");

try

{

Thread.sleep(1000);

}

catch(InterruptedException ex)

{

}

c1=0;

f2=0;

}while(1==1);

}

void chan()

{

System.out.print("\f");

System.out.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");

System.out.println(" NATIONAL WEATHER FORECASTING SERVICE ");

System.out.println(" DAILY WEATHER FORECAST ");

System.out.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");

System.out.println(" ADMIN DATA MODIFICATION WORKSPACE");

System.out.println("Choose location");

System.out.println("1.Mumbai,India\n"+"2.Delhi,India\n"+"3.Chennai,India\n"+"4.Kolkata,India\n \*\*\n5.Go back to admin homescreen");

ck=0;

ck=S.nextInt();

if(ck==5)

{

admin();

}

else if(ck>=6 || ck<=0)

{

do{

System.out.println("Wrong choice!Choose again");

ck=S.nextInt();

if(ck==5)

{

admin();

}

}while(ck>=6 || ck<=0);

}

System.out.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");

if(cha!=0)

{

modify();

}

}

void modify()

{

if(cha==0)

{

chan();

cha=1;

}

c1=0;

do{

if(c1==0)

{

System.out.println("Choose the data to be modified");

System.out.println("1.Maximum temperatue\n"+"2.Precipitation\n"+"3.Wind velocity\n"+"4.Atmospheric pressure\n5.Change location");

}

cg=0;

if(c1!=0)

{

System.out.println("Choose the next data to be modified");

}

cg=S.nextInt();

switch(ck)

{

case 1:

if(cg==1)

{

System.out.println("Enter new data(correct to the first decimal)");

mmax=S.next();c1=1;

}

else if(cg==2)

{

System.out.println("Enter new data(correct to the first decimal)");

mpre=S.next();c1=1;

}

else if(cg==3)

{

System.out.println("enter new data(correct to the first decimal)");

mwv=S.next();c1=1;

}

else if(cg==4)

{

System.out.println("enter new data(correct to the first decimal)");

mat=S.next();c1=1;

}

else if(cg==5)

{

chan();

c1=1;

}else

{

System.out.println("Wrong choice!");

c1=2;

}

break;

case 2:

if(cg==1)

{

System.out.println("enter new data(correct to the first decimal)");

dmax=S.next();c1=1;

}

else if(cg==2)

{

System.out.println("enter new data(correct to the first decimal)");

dpre=S.next();c1=1;

}

else if(cg==3)

{

System.out.println("enter new data(correct to the first decimal)");

dwv=S.next();c1=1;

}

else if(cg==4)

{

System.out.println("enter new data(correct to the first decimal)");

dat=S.next();

c1=1;

}

else if(cg==5)

{

chan();

c1=1;

}

else

{

System.out.println("Wrong choice!");

c1=2;

}

break;

case 3:

if(cg==1)

{

System.out.println("enter new data(correct to the first decimal)");

cmax=S.next();c1=1;

}

else if(cg==2)

{

System.out.println("enter new data(correct to the first decimal)");

cpre=S.next();c1=1;

}

else if(cg==3)

{

System.out.println("enter new data(correct to the first decimal)");

cwv=S.next();c1=1;

}

else if(cg==4)

{

System.out.println("enter new data(correct to the first decimal)");

cat=S.next();c1=1;

}

else if(cg==5)

{

chan();

c1=1;

}

else

{

System.out.println("Wrong choice!");

c1=2;

}

break;

case 4:

if(cg==1)

{

System.out.println("enter new data(correct to the first decimal)");

kmax=S.next();c1=1;

}

else if(cg==2)

{

System.out.println("enter new data(correct to the first decimal)");

kpre=S.next();c1=1;

}

else if(cg==3)

{

System.out.println("enter new data(correct to the first decimal)");

kwv=S.next();c1=1;

}

else if(cg==4)

{

System.out.println("enter new data(correct to the first decimal)");

kat=S.next();c1=1;

}

else if(cg==5)

{

chan();

c1=1;

}

else

{

System.out.println("Wrong choice!");

c1=2;

}

break;

case 5:

admin();

c1=2;

break;

default:System.out.println("wrong data");

c1=2;

break;

}

if(c1!=2)

{

System.out.println("The data is being modified..");

try

{

Thread.sleep(3000);

}

catch(InterruptedException ex)

{

}

System.out.println("The data has been successfully modified");

System.out.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");

try

{

Thread.sleep(1000);

}

catch(InterruptedException ex)

{

}

}

}while(1==1);

}

void delete()

{

if(f1==0)

{change();

f1=1;

}

System.out.println("Choose the data to be deleted");

System.out.println("1.Maximum temperatue\n"+"2.Precipitation\n"+"3.Wind velocity\n"+"4.Atmospheric pressure\n5.Change location");

c1=0;

do{

if(c1!=0)

{

System.out.println("Choose the next data to be deleted");

}

cg=S.nextInt();

switch(ck)

{

case 1:

if(cg==1)

{

mmax="Not available"; c1=1;

}

else if(cg==2)

{

mpre="Not available"; c1=1;

}

else if(cg==3)

{

mwv="Not available"; c1=1;

}

else if(cg==4)

{

mat="Not available"; c1=1;

}

else if(cg==5)

{

c1=2;

change();

}

else

{

System.out.println("Wrong choice");c1=2;

}

break;

case 2:

if(cg==1)

{

dmax="Not available"; c1=1;

}

else if(cg==2)

{

dpre="Not available"; c1=1;

}

else if(cg==3)

{

dwv="Not available"; c1=1;

}

else if(cg==4)

{

dat="Not available"; c1=1;

}

else if(cg==5)

{

c1=2;

change();

}

else

{

System.out.println("Wrong choice");c1=2;

}

break;

case 3:

if(cg==1)

{

cmax="Not available"; c1=1;

}

else if(cg==2)

{

cpre="Not available"; c1=1;

}

else if(cg==3)

{

cwv="Not available"; c1=1;

}

else if(cg==4)

{

cat="Not available"; c1=1;

}

else if(cg==5)

{

c1=2;

change();

}

else

{

c1=2;

System.out.println("Wrong choice");

}

break;

case 4:

if(cg==1)

{

kmax="Not available"; c1=1;

}

else if(cg==2)

{

kpre="Not available"; c1=1;

}

else if(cg==3)

{

kwv="Not available"; c1=1;

}

else if(cg==4)

{

kat="Not available"; c1=1;

}

else if(cg==5)

{

c1=2;

change();

}

else

{

c1=2;

System.out.println("Wrong choice");

}

break;

case 5:

c1=2;

admin();

break;

default:

System.out.println("wrong data");

c1=2;

break;

}

if(c1!=2)

{

System.out.println("The data is being deleted..");

try

{

Thread.sleep(3000);

}

catch(InterruptedException ex)

{

}

System.out.println("The data has been successfully deleted");

try

{

Thread.sleep(1000);

}

catch(InterruptedException ex)

{

}

}

System.out.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");

}while(1==1);

}

void change()

{

System.out.print("\f");

System.out.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");

System.out.println(" NATIONAL WEATHER FORECASTING SERVICE ");

System.out.println(" DAILY WEATHER FORECAST ");

System.out.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");

System.out.println(" ADMIN DATA DELETION WORKSPACE");

System.out.println("Choose location");

System.out.println("1.Mumbai,India\n"+"2.Delhi,India\n"+"3.Chennai,India\n"+"4.Kolkata,India\n \*\*\n5.Go back to admin homescreen");

ck=0;

ck=S.nextInt();

if(ck==5)

{

admin();

}

else if(ck>=6 || ck<=0)

{

do{

System.out.println("Wrong choice!Choose again");

ck=S.nextInt();

if(ck==5)

{

admin();

}

}while(ck>=6 || ck<=0);

}

System.out.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");

if(f1!=0)

{

delete();

}

}

public weather\_forecasting()

{

}

void main()

{

weather\_forecasting w1=new weather\_forecasting();

w1.home();

}

}