#include<fstream.h>

#include<process.h>

#include<conio.h>

#include<stdio.h>

#include<string.h>

long pos1;

long pos2;

long pos3;

long pos4;

long pos5;

long pos6;

long pos7;

long pos8;

long pos9;

long pos10;

long pos11;

long pos12;

long opos;

long cpos;

long opos1;

long catpos;

long catpos1;

void display();

void discom();

void discat();

void category()

{

int ch6;

char cat;

do

{

cout<<"\n -->CATEGORIES";

cout<<endl;

cout<<"\n 1.MOBILES";

cout<<"\n 2.COMPUTER";

cout<<"\n 3.OTHER";

cout<<"\n 4.EXIT";

cout<<endl;

cout<<"\n Enter your choice :";

cin>>ch6;

switch(ch6)

{

case 1:display();

break;

case 2:discom();

break;

case 3:discat();

break;

case 4:exit(0);

break;

default:cout<<"\n\t SORRY WRONG CHOICE";

}

cout<<"\n Want to enter again(y/n):";

cin>>cat;

if(cat=='n')

exit(0);

clrscr();

}while(cat=='y'||cat=='Y');

}

class login

{

char username[50];

long pw;

int userno;

public:

void getpw()

{

cout<<"\n Enter the user name: ";

cin>>username;

cout<<endl;

cout<<"\n Enter the user no. :";

cin>>userno;

cout<<endl;

cout<<"\n Enter the password: ";

cin>>pw;

cout<<endl;

}

long returnpw();

int returnuserno();

int returnusername(char log[30]);

void modifypw();

void modifyname();

}lo;

long login::returnpw()

{

return pw;

}

int login::returnuserno()

{

return userno;

}

int login::returnusername(char log[30])

{

return (strcmp(username,log));

}

void login::modifypw()

{

long newpw;

cout<<"\n Enter new pass word:";

cin>>newpw;

pw=newpw;

}

void login::modifyname()

{

char newusername[30];

cout<<"\n Enter new user name:";

cin>>newusername;

strcpy(username,newusername);

}

void createpw()

{ char bjkt;

ofstream as20("login.dat",ios::out||ios::binary);

do

{

lo.getpw();

as20.write((char\*)&lo,sizeof(lo));

cout<<"\n Do you want to add more user:";

cin>>bjkt;

}while(bjkt=='y'||bjkt=='Y');

as20.close();

}

class othercategory

{

float catdis;

char catcompany[20];

int catmno;

char catname[30];

float catprice;

public:

int catReturn();

void modifycat();

void catgetdata()

{

cout<<"\n Enter the brand:";

cin>>catcompany;

cout<<"\n Enter the name :";

cin>>catname;

cout<<endl;

cout<<"\n\t :::: ENTER OTHER DETAILS :::::";

cout<<"\n Enter the model no.:";

cin>>catmno;

cout<<endl;

cout<<"\n Enter the price:";

cin>>catprice;

cout<<endl;

cout<<"\n Discount offer:";

cin>>catdis;

cout<<endl;

}

void catdisplay()

{

cout<<"\n Name :"<<catname;

cout<<endl;

cout<<"\n Brand:"<<catcompany;

cout<<"\n\t ~ ~ ~ OTHER DETAILS~ ~ ~";

cout<<endl;

cout <<"\n Discount =:"<<catdis;

cout<<endl;

cout<<"\n Model no.:"<<catmno;

cout<<endl;

cout<<"\n Price:"<<catprice;

cout<<endl;

}

}cat;

int othercategory::catReturn()

{

return catmno;

}

void displaycat()

{

cout<<"\n OTHER THINGS IN YOUR STOCK ARE:";

ifstream ds30("othercat.dat",ios::in||ios::binary);

ds30.seekg(0);

while(!ds30.eof())

{

ds30.read((char\*)&cat,sizeof(cat));

if(ds30.eof())

break;

else

cat.catdisplay();

}

}

void deletecat()

{

ifstream ds31("othercat.dat",ios::in||ios::binary);

ofstream ds32("cattemp1.dat",ios::out||ios::binary);

int catsearch;

char catfound='f',catconfirm='n';

cout<<"\n --> Enter the model no. which is to be

deleted from stock:";

cout<<endl;

cin>>catsearch;

ds31.seekg(0);

while(!ds31.eof())

{

ds31.read((char\*)&cat,sizeof(cat));

if(cat.catReturn()==catsearch)

{

cat.catdisplay();

catfound='y';

cout<<"\n Are you really want to delete this record? (y\n)";

cin>>catconfirm;

if(catconfirm=='n')

ds32.write((char\*)&cat,sizeof(cat));

}

else

ds32.write((char\*)&cat,sizeof(cat));

}

if(catfound=='f')

cout<<"\n -->Not found";

cout<<endl;

ds31.close();

ds32.close();

remove("othercat.dat");

rename("cattemp1.dat","othercat.dat");

clrscr();

ifstream ds33("othercat.dat",ios::in||ios::binary);

cout<<"\n\tNow list of OTHER category are:";

cout<<endl;

ds33.seekg(0);

while(!ds33.eof())

{

ds33.read((char\*)&cat,sizeof(cat));

if(ds33.eof())

break;

else

cat.catdisplay();

}

ds33.close();

}

void appendcat()

{

ofstream ds34("othercat.dat",ios::app||ios::binary);

cout<<"\n --> Enter detail of OTHER things you want to add"<<"\n";

cout<<endl;

cat.catgetdata();

ds34.seekp(catpos);

ds34.write((char\*)&cat,sizeof(cat));

ds34.close();

}

void othercategory:: modifycat()

{

char ctname[20];

float ctdis;

int ctmno;

float ctprice;

char ctcompany[30];

cout<<"\n Enter the details :";

cout<<endl;

cout<<"\n Enter the new brand:";

cin>>ctcompany;

strcpy(catcompany,ctcompany);

cout<<endl;

cout<<"\n Enter new name :";

cin>>ctname;

strcpy(catname,ctname);

cout<<endl;

cout<<"\n Enter new discount :";

cin>>ctdis;

catdis=ctdis;

cout<<endl;

cout<<"\n Enter new model no:";

cin>>ctmno;

catmno=ctmno;

cout<<endl;

cout<<"\n Enter new price:";

cin>>ctprice;

catprice=ctprice;

cout<<endl;

}

void discat()

{

char an1,an8;

int na1;

clrscr();

int z=0;

ofstream ds35("othercat.dat",ios::out|ios::binary);

do

{

cout<<"\n => Enter the details of "<<(z+1)<<" OTHER THINGS \n";

cat.catgetdata();

ds35.write((char \*)&cat,sizeof(cat));

catpos=ds35.tellp();

cout<<"\n --> Do you want to add more OTHER THINGS :";

cin>>an1;

z++;

clrscr();

}while(an1=='y'||an1=='Y');

ds35.close();

do

{

cout<<"\n\* \* \* \* \* \*| WHAT DO YOU WANT TO DO |\* \* \* \* \* \* ";

cout<<endl;

cout<<"\n 1:Display the list of OTHER THINGS:";

cout<<endl;

cout<<"\n 2:Add more THINGS in the list:";

cout<<endl;

cout<<"\n 3:Delete THINGS from the list:";

cout<<endl;

cout<<"\n 4:Modify the details of THINGS:";

cout<<endl;

cout<<"\n 5:Want to see category list again:";

cout<<endl;

cout<<"\nEnter your choice:";

cin>>na1;

if(na1==1)

{

clrscr();

displaycat();

}

else if(na1==2)

{ clrscr();

appendcat();

}

else if(na1==3)

{ clrscr();

deletecat();

}

else if(na1==4)

{ clrscr();

int catmno1;

char ch70;

cout<<"\n -->Enter the MODEL no. to be modified : ";

cin>>catmno1;

fstream ds36("othercat.dat",ios::in|ios::out|ios::binary);

ds36.seekg(0);

while(!ds36.eof())

{

catpos1=ds36.tellg();

ds36.read((char\*)&cat,sizeof(cat));

if(cat.catReturn()==catmno1)

{

cat.modifycat();

ds36.seekg(catpos1);

ds36.write((char\*)&cat,sizeof(cat));

ch70='y';

break;

}

}

if (ch70=='n')

cout<<"\n -->Record Not Found";

}

else if(na1==5)

{ clrscr();

category();

}

cout<<"\n\t\* Do YOU WANT TO SEE ABOVE MENU AGAIN \*";

cin>>an8;

clrscr();

}while(an8=='y'||an8=='Y');

}

class nokia

{

float dis1;

int mno1;

float price1;

float cam1;

float blu1;

float bat1;

char name1[20];

int imem1;

char and1[20];

public:

void modifynokia();

int Return1();

void multi1()

{

cout<<endl;

cout<<"\n Camera : ";

cin>>cam1;

cout<<endl;

cout<<"\n Bluetooth : ";

cin>>blu1;

cout<<endl;

cout<<"\n Battery : ";

cin>>bat1;

cout<<endl;

cout<<"\n Internal memory : ";

cin>>imem1;

cout<<endl;

cout<<"\n Android Version : ";

cin>>and1;

cout<<endl;

}

void getdata1()

{

cout<<endl;

cout<<"\n Enter the name of mobile :";

cin>>name1;

cout<<endl;

cout<<"\n\t :::: ENTER OTHER DETAILS :::::";

cout<<endl;

cout<<"\n Enter the model no. :";

cin>>mno1;

cout<<endl;

cout<<"\n Enter the price :";

cin>>price1;

cout<<endl;

cout<<"\n Discount offer :";

cin>>dis1;

cout<<endl;

cout<<"\n\t \* \* \*Special Features\* \* \*";

cout<<endl;

multi1();

}

void display1()

{

cout<<endl;

cout<<"\n Name of mobile :"<<name1;

cout<<endl;

cout<<"\n\t ~ ~ ~OTHER DETAILS~ ~ ~";

cout<<endl;

cout <<"\n Discount :"<<dis1;

cout<<endl;

cout<<"\n Model no. :"<<mno1;

cout<<endl;

cout<<"\n Price:"<<price1;

cout<<endl;

cout<<"\n\t \* \* \*Special Features\* \* \*";

cout<<endl;

cout<<"\n Camera : "<<cam1;

cout<<"\n Bluetooth : "<<blu1;

cout<<"\n Battery : "<<bat1;

cout<<"\n Internal memory : "<<imem1;

cout<<"\n Android Version : \n"<<and1;

}

}n;

int nokia::Return1()

{

return mno1;

}

void displaynokia()

{

cout<<"\n \* NOKIA MOBILES IN YOUR STORE ARE \*:";

cout<<endl;

ifstream ob6("nokia.dat",ios::in||ios::binary);

ob6.seekg(0);

while(!ob6.eof())

{

ob6.read((char\*)&n,sizeof(n));

if(ob6.eof())

break;

else

n.display1();

}

}

void appendnokia()

{

ofstream ob7("nokia.dat",ios::app||ios::binary);

cout<<"\n --> Enter detail of NOKIA mobile you want to add"<<"\n";

cout<<endl;

n.getdata1();

ob7.seekp(pos1);

ob7.write((char\*)&n,sizeof(n));

ob7.close();

}

void deletenokia()

{

ifstream ob8("nokia.dat",ios::in||ios::binary);

ofstream ob9("temp1.dat",ios::out||ios::binary);

int search1;

char found1='f',confirm1='n';

cout<<"\n --> Enter the model no of mobile which is to be deleted from stock:";

cout<<endl;

cin>>search1;

ob8.seekg(0);

while(!ob8.eof())

{

ob8.read((char\*)&n,sizeof(n));

if(n.Return1()==search1)

{

n.display1();

found1='y';

cout<<"\n --> Are you really want to delete this record ?(y\n)";

cin>>confirm1;

if(confirm1=='n')

ob9.write((char\*)&n,sizeof(n));

}

else

ob9.write((char\*)&n,sizeof(n));

}

if(found1=='f')

cout<<"\n --> Mobile not found";

cout<<endl;

ob8.close();

ob9.close();

remove("nokia.dat");

rename("temp1.dat","nokia.dat");

clrscr();

ifstream ob10("nokia.dat",ios::in||ios::binary);

cout<<"\n\t -->Now list of nokia mobile are:";

cout<<endl;

ob10.seekg(0);

while(!ob10.eof())

{

ob10.read((char\*)&n,sizeof(n));

if(ob10.eof())

break;

else

n.display1();

}

ob10.close();

}

void nokia:: modifynokia()

{

char nname[20];

float ndis;

int nmno;

float nprice;

float ncam;

float nblu;

float nimem;

float nbat;

char nand[20];

cout<<"\n -->Enter the details:";

cout<<endl;

cout<<"\n Enter new name of mobile:";

cin>>nname;

cout<<endl;

strcpy(name1,nname);

cout<<"\n Enter new discount :";

cin>>ndis;

dis1=ndis;

cout<<endl;

cout<<"\n Enter new model no :";

cin>>nmno;

mno1=nmno;

cout<<endl;

cout<<"\n Enter new price :";

cin>>nprice;

price1=nprice;

cout<<endl;

cout<<"\n Camera :";

cin>>ncam;

cam1=ncam;

cout<<endl;

cout<<"\n Bluetooth :";

cin>>nblu;

blu1=nblu;

cout<<endl;

cout<<"\n Internal memory :";

cin>>nimem;

imem1=nimem;

cout<<endl;

cout<<"\n Battery :";

cin>>nbat;

bat1=nbat;

cout<<endl;

cout<<"\n Andriod Version:";

cin>>nand;

strcpy(and1,nand);

cout<<endl;

}

class samsung

{

char name2[20];

float dis2;

int mno2;

float price2;

float cam2;

float blu2;

float bat2;

int imem2;

char and2[20];

public:

char Return2();

void modifysamsung();

void multi2()

{

cout<<"\n Camera : ";

cin>>cam2;

cout<<endl;

cout<<"\n Bluetooth : ";

cin>>blu2;

cout<<endl;

cout<<"\n Battery : ";

cin>>bat2;

cout<<endl;

cout<<"\n Internal memory : ";

cin>>imem2;

cout<<endl;

cout<<"\n Android Version: ";

cin>>and2;

cout<<endl;

}

void getdata2()

{

cout<<"\n Enter the name of mobile :";

cin>>name2;

cout<<endl;

cout<<"\n\t :::: ENTER OTHER DETAILS :::::";

cout<<endl;

cout<<"\n Enter the model no. :";

cin>>mno2;

cout<<endl;

cout<<"\n Enter the price:";

cin>>price2;

cout<<endl;

cout<<"\n Discount offer:";

cin>>dis2;

cout<<endl;

cout<<"\n\t \* \* \*Special Features\* \* \*";

cout<<endl;

multi2();

}

void display2()

{

cout<<"\n Name of mobile :"<<name2;

cout<<endl;

cout<<"\n ~ ~ ~OTHER DETAILS~ ~ ~";

cout <<"\n Discount =:"<<dis2;

cout<<endl;

cout<<"\n Model no.:"<<mno2;

cout<<endl;

cout<<"\n Price:"<<price2;

cout<<endl;

cout<<"\n\t\* \* \*Special Features\* \* \*";

cout<<endl;

cout<<"\n Camera: "<<cam2;

cout<<"\n Bluetooth: "<<blu2;

cout<<"\n Battery: "<<bat2;

cout<<"\n Internal memory: "<<imem2;

cout<<"\n Android Version: \n"<<and2;

}

}sa;

char samsung::Return2()

{

return mno2;

}

void displaysamsung()

{

cout<<"\n SAMSUNG MOBILES IN YOUR STORE ARE:";

ifstream ob12("samsung.dat",ios::in||ios::binary);

ob12.seekg(0);

while(!ob12.eof())

{

ob12.read((char\*)&sa,sizeof(sa));

if(ob12.eof())

break;

else

sa.display2();

}

}

void appendsamsung()

{

ofstream ob13("samsung.dat",ios::app||ios::binary);

cout<<"\n -->Enter detail of SAMSUNG mobile you want to add"<<"\n";

sa.getdata2();

ob13.seekp(pos2);

ob13.write((char\*)&sa,sizeof(sa));

ob13.close();

}

void deletesamsung()

{

ifstream ob14("samsung.dat",ios::in||ios::binary);

ofstream ob15("temp2.dat",ios::out||ios::binary);

int search2;

char found2='f',confirm2='n';

cout<<"\n -->Enter the model no of mobile which is to be deleted from stock:";

cout<<endl;

cin>>search2;

ob14.seekg(0);

while(!ob14.eof())

{

ob14.read((char\*)&sa,sizeof(sa));

if(sa.Return2()==search2)

{

sa.display2();

found2='y';

cout<<"\n Are you really want to delete this record? (y\n)";

cout<<endl;

cin>>confirm2;

if(confirm2=='n')

ob15.write((char\*)&sa,sizeof(sa));

}

else

ob15.write((char\*)&sa,sizeof(sa));

}

if(found2=='f')

cout<<"\n --> Mobile not found";

cout<<endl;

ob14.close();

ob15.close();

remove("samsung.dat");

rename("temp2.dat","samsung.dat");

clrscr();

ifstream ob16("samsung.dat",ios::in||ios::binary);

cout<<"\n\tNow list of SAMSUNG mobile are:";

ob16.seekg(0);

while(!ob16.eof())

{

ob16.read((char\*)&sa,sizeof(sa));

if(ob16.eof())

break;

else

sa.display2();

}

ob16.close();

}

void samsung:: modifysamsung()

{

char sname[20];

float sdis;

int smno;

float sprice;

float scam;

float sblu;

float simem;

float sbat;

char sand[20];

cout<<"\n Enter the details:";

cout<<endl;

cout<<"\n Enter new name of mobile:";

cout<<endl;

cin>>sname;

strcpy(name2,sname);

cout<<endl;

cout<<"\n Enter new discount:";

cin>>sdis;

dis2=sdis;

cout<<endl;

cout<<"\n Enter new model no:";

cin>>smno;

mno2=smno;

cout<<endl;

cout<<"\n Enter new price:";

cin>>sprice;

price2=sprice;

cout<<endl;

cout<<"\n Camera:";

cin>>scam;

cam2=scam;

cout<<endl;

cout<<"\n Bluetooth:";

cin>>sblu;

blu2=sblu;

cout<<endl;

cout<<"\n Internal memory:";

cin>>simem;

imem2=simem;

cout<<endl;

cout<<"\n Battery:";

cin>>sbat;

bat2=sbat;cout<<endl;

cout<<"\n Andriod Version:";

cin>>sand;

strcpy(and2,sand);

cout<<endl;

}

class sony

{

float dis3;

int mno3;

float price3;

float cam3;

float blu3;

float bat3;

int imem3;

char and3[20];

char name3[20];

public:

int Return3();

void modifysony();

void multi3()

{

cout<<"\n Camera : ";

cin>>cam3;

cout<<endl;

cout<<"\n Bluetooth: ";

cin>>blu3;

cout<<endl;

cout<<"\n Battery: ";

cin>>bat3;

cout<<endl;

cout<<"\n Internal memory: ";

cin>>imem3;

cout<<endl;

cout<<"\n Android Version: ";

cin>>and3;

cout<<endl;

}

void getdata3()

{

cout<<"\n Enter the name of mobile :";

cin>>name3;

cout<<endl;

cout<<"\n\t:::: ENTER OTHER DETAILS :::::";

cout<<endl;

cout<<"\n Enter the model no.:";

cin>>mno3;

cout<<endl;

cout<<"\n Enter the price:";

cin>>price3;

cout<<endl;

cout<<"\n Discount offer:";

cin>>dis3;

cout<<endl;

cout<<"\n\t \* \* \*Special Features\* \* \*";

cout<<endl;

multi3();

}

void display3()

{

cout<<"\n Name of mobile :"<<name3;

cout<<endl;

cout<<"\n\t ~ ~ ~OTHER DETAILS~ ~~";

cout<<endl;

cout <<"\n Discount =:"<<dis3;

cout<<endl;

cout<<"\n Model no.:"<<mno3;

cout<<endl;

cout<<"\n Price:"<<price3;

cout<<endl;

cout<<"\n\t \* \* \*Special Features\* \* \*";

cout<<"\n Camera : "<<cam3;

cout<<"\n Bluetooth : "<<blu3;

cout<<"\n Battery : "<<bat3;

cout<<"\n Internal memory : "<<imem3;

cout<<"\n Android Version : \n"<<and3;

}

}so;

int sony::Return3()

{

return mno3;

}

void displaysony()

{

cout<<"\nSONY MOBILES ARE:";

cout<<endl;

ifstream ob18("sony.dat",ios::in||ios::binary);

ob18.seekg(0);

while(!ob18.eof())

{

ob18.read((char\*)&so,sizeof(so));

if(ob18.eof())

break;

else

so.display3();

}

}

void appendsony()

{

ofstream ob19("sony.dat",ios::app||ios::binary);

cout<<"\n --> Enter detail of SONY mobile you want to add"<<"\n";

so.getdata3();

ob19.seekp(pos3);

ob19.write((char\*)&so,sizeof(so));

ob19.close();

}

void deletesony()

{

ifstream ob20("sony.dat",ios::in||ios::binary);

ofstream ob21("temp3.dat",ios::out||ios::binary);

int search3;

char found3='f',confirm3='n';

cout<<"\n Enter the model no of mobile which is to be deleted from stock:";

cin>>search3;

ob20.seekg(0);

while(!ob20.eof())

{

ob20.read((char\*)&so,sizeof(so));

if(so.Return3()==search3)

{

so.display3();

found3='y';

cout<<"\n Are you really want to delete this record? (y\n)";

cin>>confirm3;

if(confirm3=='n')

ob21.write((char\*)&so,sizeof(so));

}

else

ob21.write((char\*)&so,sizeof(so));

}

if(found3=='f')

cout<<"\n --> Mobile not found";

ob20.close();

ob21.close();

remove("sony.dat");

rename("temp3.dat","sony.dat");

clrscr();

ifstream ob22("sony.dat",ios::in||ios::binary);

cout<<"\n\tNow list of SONY mobiles in your stock:";

cout<<endl;

ob22.seekg(0);

while(!ob22.eof())

{

ob22.read((char\*)&so,sizeof(so));

if(ob22.eof())

break;

else

so.display3();

}

ob22.close();

}

void sony:: modifysony()

{

char soname[20];

float sodis;

int somno;

float soprice;

float socam;

float soblu;

float soimem;

float sobat;

char soand[20];

cout<<"\n Enter the details :";

cout<<endl;

cout<<"\n Enter new name of mobile :";

cin>>soname;

strcpy(name3,soname);

cout<<endl;

cout<<"\n Enter new discount :";

cin>>sodis;

dis3=sodis;

cout<<endl;

cout<<"\n Enter new model no :";

cin>>somno;

mno3=somno;

cout<<endl;

cout<<"\n Enter new price :";

cin>>soprice;

price3=soprice;

cout<<endl;

cout<<"\n Camera :";

cin>>socam;

cam3=socam;

cout<<endl;

cout<<"\n Bluetooth :";

cin>>soblu;

blu3=soblu;

cout<<endl;

cout<<"\n Internal memory :";

cin>>soimem;

imem3=soimem;

cout<<endl;

cout<<"\n Battery :";

cin>>sobat;

bat3=sobat;

cout<<endl;

cout<<"\n Andriod Version :";

cin>>soand;

strcpy(and3,soand);

cout<<endl;

}

class life\_good

{

float dis4;

int mno4;

float price4;

float cam4;

float blu4;

float bat4;

int imem4;

char and4[20];

char name4[20];

public:

int Return4();

void modifylg();

void multi4()

{

cout<<"\n Camera : ";

cin>>cam4;

cout<<endl;

cout<<"\n Bluetooth : ";

cin>>blu4;

cout<<endl;

cout<<"\n Battery : ";

cin>>bat4;

cout<<endl;

cout<<"\n Internal memory : ";

cin>>imem4;

cout<<endl;

cout<<"\n Android Version: ";

cin>>and4;

cout<<endl;

}

void getdata4()

{

cout<<"\n Enter the name of mobile :";

cin>>name4;

cout<<endl;

cout<<"\n\t :::: ENTER OTHER DETAILS :::::";

cout<<endl;

cout<<"\n Enter the model no. :";

cin>>mno4;

cout<<endl;

cout<<"\n Enter the price :";

cin>>price4;

cout<<endl;

cout<<"\n Discount offer :";

cin>>dis4;

cout<<endl;

cout<<"\n\t \* \* \*Special Features\* \* \*";

cout<<endl;

multi4();

}

void display4()

{

cout<<"\n Name of mobile :"<<name4;

cout<<endl;

cout<<"\n\t ~ ~ ~ OTHER DETAILS ~~ ";

cout <<"\n Discount = :"<<dis4;

cout<<endl;

cout<<"\n Model no.:"<<mno4;

cout<<endl;

cout<<"\n Price:"<<price4;

cout<<endl;

cout<<"\n\t \* \* \*Special Features\* \* \*";

cout<<endl;

cout<<"\n Camera : "<<cam4;

cout<<"\n Bluetooth : "<<blu4;

cout<<"\n Battery : "<<bat4;

cout<<"\n Internal memory : "<<imem4;

cout<<"\n Android Version : \n"<<and4;

}

}lg;

int life\_good::Return4()

{

return mno4;

}

void displaylg()

{

cout<<"\nLG MOBILE IN YOUR STOCK ARE:";

cout<<endl;

ifstream ob25("lg.dat",ios::in||ios::binary);

ob25.seekg(0);

while(!ob25.eof())

{

ob25.read((char\*)&lg,sizeof(lg));

if(ob25.eof())

break;

else

lg.display4();

}

}

void appendlg()

{

ofstream ob25("lg.dat",ios::app||ios::binary);

cout<<"\n -->Enter detail of LG mobile you want to add"<<"\n";

lg.getdata4();

ob25.seekp(pos5);

ob25.write((char\*)&lg,sizeof(lg));

ob25.close();

}

void deletelg()

{

ifstream ob26("lg.dat",ios::in||ios::binary);

ofstream ob27("temp4.dat",ios::out||ios::binary);

int search4;

char found4='f',confirm4='n';

cout<<"\n --> Enter the model no of mobile which is to be deleted from stock:";

cin>>search4;

ob26.seekg(0);

while(!ob26.eof())

{

ob26.read((char\*)&lg,sizeof(lg));

if(lg.Return4()==search4)

{

lg.display4();

found4='y';

cout<<"\n Are you really want to delete this record? (y\n)";

cin>>confirm4;

if(confirm4=='n')

ob27.write((char\*)&lg,sizeof(lg));

}

else

ob27.write((char\*)&lg,sizeof(lg));

}

if(found4=='f')

cout<<"\n --> Mobile not found";

ob26.close();

ob27.close();

remove("lg.dat");

rename("temp4.dat","lg.dat");

clrscr();

ifstream ob28("lg.dat",ios::in||ios::binary);

cout<<"\n\tNow list of LG mobile are:";

ob28.seekg(0);

while(!ob28.eof())

{

ob28.read((char\*)&lg,sizeof(lg));

if(ob28.eof())

break;

else

lg.display4();

}

ob28.close();

}

void life\_good:: modifylg()

{

char lname[20];

float ldis;

int lmno;

float lprice;

float lcam;

float lblu;

float limem;

float lbat;

char land[20];

cout<<"\n Enter the details :";

cout<<endl;

cout<<"\n Enter new name of mobile :";

cin>>lname;

strcpy(name4,lname);

cout<<endl;

cout<<"\n Enter new discount:";

cin>>ldis;

dis4=ldis;

cout<<endl;

cout<<"\n Enter new model no:";

cin>>lmno;

mno4=lmno;

cout<<endl;

cout<<"\n Enter new price:";

cin>>lprice;

price4=lprice;

cout<<endl;

cout<<"\n Camera:";

cin>>lcam;

cam4=lcam;

cout<<endl;

cout<<"\n Bluetooth:";

cin>>lblu;

blu4=lblu;

cout<<endl;

cout<<"\n Internal memory:";

cin>>limem;

imem4=limem;

cout<<endl;

cout<<"\n Battery:";

cin>>lbat;

bat4=lbat;

cout<<endl;

cout<<"\n Andriod Version:";

cin>>land;

strcpy(and4,land);

cout<<endl;

}

class othermobile

{

float odis;

char company[20];

int omno;

float oprice;

float ocam;

float oblu;

float obat;

int omem;

char oand[20];

char oname[20];

public:

int oReturn();

void modifyother();

void omulti()

{

cout<<"\n Camera : ";

cin>>ocam;

cout<<endl;

cout<<"\n Bluetooth : ";

cin>>oblu;

cout<<endl;

cout<<"\n Battery : ";

cin>>obat;

cout<<endl;

cout<<"\n Internal memory : ";

cin>>omem;

cout<<endl;

cout<<"\n Android Version : ";

cin>>oand;

cout<<endl;

}

void ogetdata()

{

cout<<"\n Enter the brand:";

cin>>company;

cout<<"\n Enter the name of mobile :";

cin>>oname;

cout<<endl;

cout<<"\n\t :::: ENTER OTHER DETAILS :::::";

cout<<"\n Enter the model no.:";

cin>>omno;

cout<<endl;

cout<<"\n Enter the price:";

cin>>oprice;

cout<<endl;

cout<<"\n Discount offer:";

cin>>odis;

cout<<endl;

omulti();

}

void odisplay()

{

cout<<"\n Name of mobile :"<<oname;

cout<<endl;

cout<<"\n Brand:"<<company;

cout<<"\n\t ~ ~ ~ OTHER DETAILS~~";

cout<<endl;

cout <<"\n Discount =:"<<odis;

cout<<endl;

cout<<"\n Model no.:"<<omno;

cout<<endl;

cout<<"\n Price:"<<oprice;

cout<<endl;

cout<<"\n\t \* \* \*Special Features\* \* \*";

cout<<endl;

cout<<"\n Camera : "<<ocam;

cout<<"\n Bluetooth : "<<oblu;

cout<<"\n Battery : "<<obat;

cout<<"\n Internal memory : "<<omem;

cout<<"\n Android Version : \n"<<oand;

}

}ot;

void displayother()

{

cout<<"\n OTHER MOBILE IN YOUR STOCK ARE:";

ifstream ds1("othermobile.dat",ios::in||ios::binary);

ds1.seekg(0);

while(!ds1.eof())

{

ds1.read((char\*)&ot,sizeof(ot));

if(ds1.eof())

break;

else

ot.odisplay();

}

}

void deleteother()

{

ifstream ds2("othermobile.dat",ios::in||ios::binary);

ofstream ds10("otemp1.dat",ios::out||ios::binary);

int osearch;

char ofound='f',oconfirm='n';

cout<<"\n --> Enter the model no of mobile which is to be deleted from stock:";

cout<<endl;

cin>>osearch;

ds2.seekg(0);

while(!ds2.eof())

{

ds2.read((char\*)&ot,sizeof(ot));

if(ot.oReturn()==osearch)

{

ot.odisplay();

ofound='y';

cout<<"\n Are you really want to delete this record? (y\n)";

cin>>oconfirm;

if(oconfirm=='n')

ds10.write((char\*)&ot,sizeof(ot));

}

else

ds10.write((char\*)&ot,sizeof(ot));

}

if(ofound=='f')

cout<<"\n --> Mobile not found";

cout<<endl;

ds10.close();

ds2.close();

remove("othermobile.dat");

rename("otemp1.dat","othermobile.dat");

clrscr();

ifstream ds3("othermobile.dat",ios::in||ios::binary);

cout<<"\n\tNow list of OTHER mobile are:";

cout<<endl;

ds3.seekg(0);

while(!ds3.eof())

{

ds3.read((char\*)&ot,sizeof(ot));

if(ds3.eof())

break;

else

ot.odisplay();

}

ds3.close();

}

void appendother()

{

ofstream ds4("othermobile.dat",ios::app||ios::binary);

cout<<"\n --> Enter detail of OTHER mobile you want to add"<<"\n";

cout<<endl;

ot.ogetdata();

ds4.seekp(opos);

ds4.write((char\*)&ot,sizeof(ot));

ds4.close();

}

int othermobile::oReturn()

{

return omno;

}

void othermobile:: modifyother()

{

char otname[20];

float otdis;

int otmno;

float otprice;

float otcam;

float otblu;

float otmem;

float otbat;

char otand[20];

cout<<"\n Enter the details :";

cout<<endl;

cout<<"\n Enter new name of mobile :";

cin>>otname;

strcpy(oname,otname);

cout<<endl;

cout<<"\n Enter new discount :";

cin>>otdis;

odis=otdis;

cout<<endl;

cout<<"\n Enter new model no:";

cin>>otmno;

omno=otmno;

cout<<endl;

cout<<"\n Enter new price:";

cin>>otprice;

oprice=otprice;

cout<<endl;

cout<<"\n Camera :";

cin>>otcam;

ocam=otcam;

cout<<endl;

cout<<"\n Bluetooth :";

cin>>otblu;

oblu=otblu;

cout<<endl;

cout<<"\n Internal memory :";

cin>>otmem;

omem=otmem;

cout<<endl;

cout<<"\n Battery :";

cin>>otbat;

obat=otbat;

cout<<endl;

cout<<"\n Andriod Version :";

cin>>otand;

strcpy(oand,otand);

cout<<endl;

}

void display()

{

clrscr();

int ch;

cout<<endl;

cout<<"\n\t\t\t\* \* \* \* \* \*BRAND\* \* \* \* \* \* \* ";

cout<<endl;

cout<<"\n1:Nokia";

cout<<endl;

cout<<"\n2:Samsung";

cout<<endl;

cout<<"\n3:Sony";

cout<<endl;

cout<<"\n4:LG";

cout<<endl;

cout<<"\n5:Other";

cout<<endl;

cout<<"\n Enter your choice: ";

cin>>ch;

cout<<endl;

if(ch==1)

{ char ch1,ch8;

int n1;

clrscr();

int i=0;

ofstream ob1("nokia.dat",ios::out|ios::binary);

do

{

cout<<"\n => Enter the details of "<<(i+1)<<" NOKIA MOBILE\n";

n.getdata1();

ob1.write((char \*)&n,sizeof(n));

pos1=ob1.tellp();

cout<<"\n --> Do you want to add more NOKIA mobile:";

cin>>ch1;

i++;

clrscr();

}while(ch1=='y'||ch1=='Y');

ob1.close();

do

{

cout<<"\n\* \* \* \* \* \*| WHAT DO YOU WANT TO DO |\* \* \* \* \* \* ";

cout<<endl;

cout<<"\n 1:Display the list of NOKIA mobiles :";

cout<<endl;

cout<<"\n 2:Add more mobiles in the list:";

cout<<endl;

cout<<"\n 3:Delete mobile from the list:";

cout<<endl;

cout<<"\n 4:Modify the details of nokia mobiles:";

cout<<endl;

cout<<"\n 5:Want to see category list again:";

cout<<endl;

cout<<"\nEnter your choice:";

cin>>n1;

if(n1==1)

{

clrscr();

displaynokia();

}

else if(n1==2)

{ clrscr();

appendnokia();

}

else if(n1==3)

{ clrscr();

deletenokia();

}

else if(n1==4)

{ clrscr();

int nmno1;

char ch7;

cout<<"\n -->Enter the MODEL no. to be

modified : ";

cin>>nmno1;

fstream

ob11("nokia.dat",ios::in|ios::out|ios::binary);

ob11.seekg(0);

while(!ob11.eof())

{

pos1=ob11.tellg();

ob11.read((char\*)&n,sizeof(n));

if(n.Return1()==nmno1)

{

n.modifynokia();

ob11.seekg(pos1);

ob11.write((char\*)&n,sizeof(n));

ch7='y';

break;

}

}

if (ch7=='n')

cout<<"\n -->Record Not Found";

}

else if(n1==5)

{ clrscr();

category();

}

cout<<"\n\t\* Do YOU WANT TO SEE ABOVE MENU AGAIN \*";

cin>>ch8;

clrscr();

}while(ch8=='y'||ch8=='Y');

}

else if(ch==2)

{

char ch2,ch10;

int s1;

clrscr();

int j=0;

ofstream ob2("samsung.dat",ios::out|ios::binary);

do

{

cout<<"\n => Enter the details of "<<(j+1)<<" SAMSUNG MOBILE\n";

cout<<endl;

sa.getdata2();

j++;

ob2.write((char\*)&sa,sizeof(sa));

pos3=ob2.tellp();

cout<<"\n Do you want to add more SAMSUNG mobile:";

cin>>ch2;

cout<<endl;

clrscr();

}while(ch2=='y'||ch2=='Y');

ob2.close();

do

{

cout<<"\n\* \* \* \* \* \*| WHAT DO YOU WANT DO |\* \* \* \* \* \* ";

cout<<"\n 1:Display the list of SAMSUNG mobiles:";

cout<<endl;

cout<<"\n 2:Add more mobiles in the list:";

cout<<endl;

cout<<"\n 3:Delete mobile from the list:";

cout<<endl;

cout<<"\n 4:Modify the details of SAMSUNG mobiles:";

cout<<endl;

cout<<"\n 5:Want to see category list";

cout<<endl;

cout<<"\n Enter your choice:";

cin>>s1;

cout<<endl;

if(s1==1)

{ clrscr();

displaysamsung();

}

else if(s1==2)

{ clrscr();

appendsamsung();

}

else if(s1==3)

{ clrscr();

deletesamsung();

}

else if(s1==4)

{ clrscr();

int nmno2;

char ch9;

cout<<"\n --> Enter the MODEL no. to be modified : ";

cin>>nmno2;

fstream

ob17("samsung.dat",ios::in|ios::out|ios::binary);

ob17.seekg(0);

long pos3;

while(!ob17.eof())

{

pos3=ob17.tellg();

ob17.read((char\*)&sa,sizeof(sa));

if(sa.Return2()==nmno2)

{

sa.modifysamsung();

ob17.seekg(pos3);

ob17.write((char\*)&sa,sizeof(sa));

ch9='y';

break;

}

}

if (ch9=='n')

cout<<"\n -->Record Not Found";

}

else if(s1==5)

{ clrscr();

category();

}

cout<<"\n\t \* Do YOU WANT TO SEE ABOVE MENU AGAIN \*";

cin>>ch10;

clrscr();

}while(ch10=='y'||ch10=='Y');

}

else if(ch==3)

{

char ch3;

char ch12;

int so1;

int k=0;

clrscr();

ofstream ob3("sony.dat",ios::out|ios::binary);

do

{

cout<<"\n => Enter the details of "<<(k+1)<<" SONY MOBILE\n";

cout<<endl;

so.getdata3();

ob3.write((char\*)&so,sizeof(so));

pos3=ob3.tellp();

k++;

cout<<"\n --> Want to add more SONY mobile:";

cin>>ch3;

clrscr();

}while(ch3=='y'||ch3=='Y');

ob3.close();

do

{

cout<<"\n\* \* \* \* \* \*| WHAT DO YOU WANT TO DO |\* \* \* \* \* \* ";

cout<<endl;

cout<<"\n 1:Display the list of SONY mobiles:";

cout<<endl;

cout<<"\n 2:Add more mobiles in the list:";

cout<<endl;

cout<<"\n 3:Delete mobile from the list:";

cout<<endl;

cout<<"\n 4:Modify the details of SONY mobiles:";

cout<<endl;

cout<<"\n 5:Want to see category:";

cout<<endl;

cout<<"\n Enter your choice:";

cin>>so1;

if(so1==1)

{ clrscr();

displaysony();

}

else if(so1==2)

{ clrscr();

appendsony();

}

else if(so1==3)

{ clrscr();

deletesony();

}

else if(so1==4)

{ clrscr();

int nmno3;

char ch11;

cout<<"\n --> Enter the MODEL no. to be modified : ";

cin>>nmno3;

fstream ob24("sony.dat",ios::in|ios::out|ios::binary);

ob24.seekg(0);

while(!ob24.eof())

{

pos4=ob24.tellg();

ob24.read((char\*)&n,sizeof(n));

if(so.Return3()==nmno3)

{

so.modifysony();

ob24.seekg(pos4);

ob24.write((char\*)&so,sizeof(so));

ch11='y';

break;

}

}

if (ch11=='n')

cout<<"\n -->Record Not Found";

}

else if(so1==5)

{ clrscr();

category();

}

cout<<"\n\t \* DO YOU WANT TO SEE ABOVE MENU AGAIN \*";

cin>>ch12;

clrscr();

}while(ch12=='y'||ch12=='Y');

}

else if(ch==4)

{

char ch4,ch14;

int lg1;

clrscr();

int l=0;

ofstream ob4("lg.dat",ios::out|ios::binary);

do

{

cout<<"\n => Enter the details of "<<(l+1)<<" LG MOBILE\n";

cout<<endl;

lg.getdata4();

ob4.write((char\*)&lg,sizeof(lg));

pos5=ob4.tellp();

l++;

cout<<"\n --> Want to add more LG mobile:";

cin>>ch4;

clrscr();

}while(ch4=='y'||ch4=='Y');

ob4.close();

do

{

cout<<"\n\* \* \* \* \* \*| WHAT DO YOU WANT TO DO |\* \* \* \* \* \*";

cout<<endl;

cout<<"\n 1:Display the list of LG mobiles:";

cout<<endl;

cout<<"\n 2:Add more mobiles in the list:";

cout<<endl;

cout<<"\n 3:Delete mobile from the list:";

cout<<endl;

cout<<"\n 4:Modify the details of Lg mobiles:";

cout<<endl;

cout<<"\n 5:Want to see the category:";

cout<<endl;

cout<<"\n Enter your choice:";

cin>>lg1;

if(lg1==1)

{ clrscr();

displaylg();

}

else if(lg1==2)

{ clrscr();

appendlg();

}

else if(lg1==3)

{ clrscr();

deletelg();

}

else if(lg1==4)

{

int nmno4;

char ch13;

clrscr();

cout<<"\n -->Enter the MODEL no. to be modified : ";

cin>>nmno4;

fstream ob29("lg.dat",ios::in|ios::out|ios::binary);

ob29.seekg(0);

while(!ob29.eof())

{

pos5=ob29.tellg();

ob29.read((char\*)&lg,sizeof(lg));

if(lg.Return4()==nmno4)

{

lg.modifylg();

ob29.seekg(pos5);

ob29.write((char\*)&lg,sizeof(lg));

ch13='y';

break;

}

}

if (ch13=='n')

cout<<"\n -->Record Not Found";

}

else if(lg1==5)

{ clrscr();

category();

}

cout<<"\n\t\* DO YOU WANT TO SEE ABOVE MENU AGAIN \*";

cin>>ch14;

clrscr();

}while(ch14=='y'||ch14=='Y');

}

if(ch==5)

{ char an1,an8;

int na1;

clrscr();

int z=0;

ofstream ds5("othermobile.dat",ios::out|ios::binary);

do

{

cout<<"\n => Enter the details of "<<(z+1)<<" OTHER MOBILE\n";

ot.ogetdata();

ds5.write((char \*)&ot,sizeof(ot));

opos=ds5.tellp();

cout<<"\n --> Do you want to add more OTHER mobile:";

cin>>an1;

z++;

clrscr();

}while(an1=='y'||an1=='Y');

ds5.close();

do

{

cout<<"\n\* \* \* \* \* \*| WHAT DO YOU WANT TO DO |\* \* \* \* \* \* ";

cout<<endl;

cout<<"\n 1:Display the list of OTHER mobiles :";

cout<<endl;

cout<<"\n 2:Add more mobiles in the list:";

cout<<endl;

cout<<"\n 3:Delete mobile from the list:";

cout<<endl;

cout<<"\n 4:Modify the details of other mobiles:";

cout<<endl;

cout<<"\n 5:Want to see category list again:";

cout<<endl;

cout<<"\nEnter your choice:";

cin>>na1;

if(na1==1)

{

clrscr();

displayother();

}

else if(na1==2)

{ clrscr();

appendother();

}

else if(na1==3)

{ clrscr();

deleteother();

}

else if(na1==4)

{ clrscr();

int nomno1;

char ch70;

cout<<"\n -->Enter the MODEL no. to be modified : ";

cin>>nomno1;

fstream ds6("othermobile.dat",ios::in|ios::out|ios::binary);

ds6.seekg(0);

while(!ds6.eof())

{

opos1=ds6.tellg();

ds6.read((char\*)&ot,sizeof(ot));

if(ot.oReturn()==nomno1)

{

ot.modifyother();

ds6.seekg(opos1);

ds6.write((char\*)&ot,sizeof(ot));

ch70='y';

break;

}

}

if (ch70=='n')

cout<<"\n -->Record Not Found";

}

else if(na1==5)

{ clrscr();

category();

}

cout<<"\n\t\* Do YOU WANT TO SEE ABOVE MENU AGAIN \*";

cin>>an8;

clrscr();

}while(an8=='y'||an8=='Y');

}

}

class apple

{

float dsc1;

int mn1;

float prc1;

float hd1;

float ram1;

float grp1;

char nam1[20];

int mb1;

char os1[20];

public:

void modifyapple();

int Return6();

void ftrs1()

{

cout<<"\n Harddisk : ";

cin>>hd1;

cout<<endl;

cout<<"\n RAM : ";

cin>>ram1;

cout<<endl;

cout<<"\n Graphic Card : ";

cin>>grp1;

cout<<endl;

cout<<"\n Motherboard : ";

cin>>mb1;

cout<<endl;

cout<<"\n Operating System : ";

cin>>os1;

cout<<endl;

}

void getdata6()

{

cout<<"\n Enter the name of computer :";

cin>>nam1;

cout<<endl;

cout<<"\n\t :::: ENTER OTHER DETAILS :::::";

cout<<"\n Enter the model no. :";

cin>>mn1;

cout<<endl;

cout<<"\n Enter the price :";

cin>>prc1;

cout<<endl;

cout<<"\n Discount offer :";

cin>>dsc1;

cout<<endl;

cout<<"\n\t \* \* \*Special Features\* \* \*";

cout<<endl;

ftrs1();

}

void display6()

{

cout<<"\n Name of computer :"<<nam1;

cout<<endl;

cout<<"\n\t ~ ~ ~OTHER DETAILS~ ~";

cout<<endl;

cout <<"\n Discount ="<<dsc1;

cout<<endl;

cout<<"\n Model no. :"<<mn1;

cout<<endl;

cout<<"\n Price :"<<prc1;

cout<<endl;

cout<<"\n\t \* \* \*Special Features\* \* \*";

cout<<endl;

cout<<"\n Harddisk : "<<hd1;

cout<<"\n RAM : "<<ram1;

cout<<"\n Graphic Card : "<<grp1;

cout<<"\n Motherboard : "<<mb1;

cout<<"\n Operating System : \n"<<os1;

}

}a;

int apple::Return6()

{

return mn1;

}

void displayapple()

{

cout<<"\n Apple COMPUTERS IN YOUR STORE:";

cout<<endl;

ifstream sg1("apple.dat",ios::in||ios::binary);

sg1.seekg(0);

while(!sg1.eof())

{

sg1.read((char\*)&a,sizeof(a));

if(sg1.eof())

break;

else

a.display6();

}

}

void appendapple()

{

ofstream sg2("apple.dat",ios::app||ios::binary);

cout<<"\n -->Enter detail of APPLE computer you want to add"<<"\n";

a.getdata6();

sg2.seekp(pos7);

sg2.write((char\*)&a,sizeof(a));

sg2.close();

}

void deleteapple()

{

ifstream sg3("apple.dat",ios::in||ios::binary);

ofstream sg4("tmp1.dat",ios::out||ios::binary);

int srch1;

char fnd1='f',cnfrm1='n';

cout<<"\n -->Enter the model no of computer which is to be deleted from stock:";

cin>>srch1;

sg3.seekg(0);

while(!sg3.eof())

{

sg3.read((char\*)&a,sizeof(a));

if(a.Return6()==srch1)

{

a.display6();

fnd1='y';

cout<<"\n Are you really want to delete this record ?(y\n)";

cin>>cnfrm1;

if(cnfrm1=='n')

sg4.write((char\*)&a,sizeof(a));

}

else

sg4.write((char\*)&a,sizeof(a));

}

if(fnd1=='f')

cout<<"\n -->Computer not found";

sg3.close();

sg4.close();

remove("apple.dat");

rename("tmp1.dat","apple.dat");

clrscr();

ifstream sg5("apple.dat",ios::in||ios::binary);

cout<<"\n\t Now list of apple computers are:";

sg5.seekg(0);

while(!sg5.eof())

{

sg5.read((char\*)&a,sizeof(a));

if(sg5.eof())

break;

else

a.display6();

}

sg5.close();

}

void apple:: modifyapple()

{

char aname[20];

float adis;

int amno;

float aprice;

float ahd;

float aram;

float agrp;

float amb;

char aos[20];

cout<<"\n Enter the details :";

cout<<endl;

cout<<"\n Enter new name of computer :";

cin>>aname;

cout<<endl;

strcpy(nam1,aname);

cout<<"\n Enter new discount :";

cin>>adis;

dsc1=adis;

cout<<endl;

cout<<"\n Enter new model no :";

cin>>amno;

mn1=amno;

cout<<endl;

cout<<"\n Enter new price :";

cin>>aprice;

prc1=aprice;

cout<<endl;

cout<<"\n Harddisk :";

cin>>ahd;

hd1=ahd;

cout<<endl;

cout<<"\n RAM :";

cin>>aram;

ram1=aram;

cout<<endl;

cout<<"\n Graphics Card :";

cin>>agrp;

grp1=agrp;

cout<<endl;

cout<<"\n Motherboard :";

cin>>amb;

mb1=amb;

cout<<endl;

cout<<"\n Operating System :";

cin>>aos;

strcpy(os1,aos);

cout<<endl;

}

class hp

{

float dsc2;

int mn2;

float prc2;

float hd2;

float ram2;

float grp2;

char nam2[20];

int mb2;

char os2[20];

public:

void modifyhp();

int Return7();

void ftrs2()

{

cout<<"\n Harddisk : ";

cin>>hd2;

cout<<endl;

cout<<"\n RAM : ";

cin>>ram2;

cout<<"\n Graphic Card : ";

cin>>grp2;

cout<<endl;

cout<<"\n Motherboard : ";

cin>>mb2;

cout<<endl;

cout<<"\n Operating System : ";

cin>>os2;

cout<<endl;

}

void getdata7()

{

cout<<"\n -->Enter the name of computer:";

cin>>nam2;

cout<<"\n\t :::: ENTER OTHER DETAILS :::::";

cout<<endl;

cout<<"\n Enter the model no.:";

cin>>mn2;

cout<<endl;

cout<<"\n Enter the price:";

cin>>prc2;

cout<<endl;

cout<<"\n Discount offer:";

cin>>dsc2;

cout<<endl;

cout<<"\n\t \* \* \*Special Features\* \* \*";

cout<<endl;

ftrs2();

}

void display7()

{

cout<<"\n Name of computer :"<<nam2;

cout<<endl;

cout<<"\n\t ~ ~ ~OTHER DETAILS~ ~~";

cout<<endl;

cout <<"\n Discount ="<<dsc2;

cout<<endl;

cout<<"\n Model no.:"<<mn2;

cout<<endl;

cout<<"\n Price:"<<prc2;

cout<<endl;

cout<<"\n\t \* \* \*Special Features\* \* \*";

cout<<endl;

cout<<"\n Harddisk : "<<hd2;

cout<<"\n RAM : "<<ram2;

cout<<"\n Graphic Card : "<<grp2;

cout<<"\n Motherboard : "<<mb2;

cout<<"\n Operating System : \n"<<os2;

}

}h;

int hp::Return7()

{

return mn2;

}

void displayhp()

{

cout<<"\n HP COMPUTERS IN YOUR STOCK:";

ifstream sg6("hp.dat",ios::in||ios::binary);

sg6.seekg(0);

while(!sg6.eof())

{

sg6.read((char\*)&h,sizeof(h));

if(sg6.eof())

break;

else

h.display7();

}

}

void appendhp()

{

ofstream sg6("hp.dat",ios::app||ios::binary);

cout<<"\n --> Enter detail of hp computer you want to add"<<"\n";

cout<<endl;

h.getdata7();

sg6.seekp(pos8);

sg6.write((char\*)&h,sizeof(h));

sg6.close();

}

void deletehp()

{

ifstream sg7("hp.dat",ios::in||ios::binary);

ofstream sg8("tmp2.dat",ios::out||ios::binary);

int srch2;

char fnd2='f',cnfrm2='n';

cout<<"\n --> Enter the model no of computer which is to be deleted from stock:";

cin>>srch2;

sg7.seekg(0);

while(!sg7.eof())

{

sg7.read((char\*)&h,sizeof(h));

if(h.Return7()==srch2)

{

h.display7();

fnd2='y';

cout<<"\n Are you really want to delete this record? (y\n)";

cin>>cnfrm2;

if(cnfrm2=='n')

sg8.write((char\*)&h,sizeof(h));

}

else

sg8.write((char\*)&h,sizeof(h));

}

if(fnd2=='f')

cout<<"\n --> Computer not found";

sg7.close();

sg8.close();

remove("hp.dat");

rename("tmp2.dat","hp.dat");

clrscr();

ifstream sg9("hp.dat",ios::in||ios::binary);

cout<<"\n\tNow list of hp computers are:";

sg9.seekg(0);

while(!sg9.eof())

{

sg9.read((char\*)&h,sizeof(h));

if(sg9.eof())

break;

else

h.display7();

}

sg9.close();

}

void hp:: modifyhp()

{

char hname[20];

float hdis;

int hmno;

float hprice;

float hhd;

float hram;

float hgrp;

float hmb;

char hos[20];

cout<<"\n Enter the details :";

cout<<endl;

cout<<"\n Enter new name of computer :";

cin>>hname;

strcpy(nam2,hname);

cout<<endl;

cout<<"\n Enter new discount:";

cin>>hdis;

dsc2=hdis;

cout<<endl;

cout<<"\n Enter new model no:";

cin>>hmno;

mn2=hmno;

cout<<endl;

cout<<"\n Enter new price:";

cin>>hprice;

prc2=hprice;

cout<<endl;

cout<<"\n Harddisk:";

cin>>hhd;

hd2=hhd;

cout<<endl;

cout<<"\n RAM:";

cin>>hram;

ram2=hram;

cout<<endl;

cout<<"\n Graphics Card:";

cin>>hgrp;

grp2=hgrp;

cout<<endl;

cout<<"\n Motherboard:";

cin>>hmb;

mb2=hmb;

cout<<endl;

cout<<"\n Operating System:";

cin>>hos;

strcpy(os2,hos);

cout<<endl;

}

class hcl

{

float dsc3;

int mn3;

float prc3;

float hd3;

float ram3;

float grp3;

char nam3[20];

int mb3;

char os3[20];

public:

void modifyhcl();

int Return8();

void ftrs3()

{

cout<<"\n Harddisk : ";

cin>>hd3;

cout<<endl;

cout<<"\n RAM : ";

cin>>ram3;

cout<<endl;

cout<<"\n Graphic Card : ";

cin>>grp3;

cout<<endl;

cout<<"\n Motherboard : ";

cin>>mb3;

cout<<endl;

cout<<"\n Operating System : ";

cin>>os3;

cout<<endl;

}

void getdata8()

{

cout<<"\n Enter the name of computer : ";

cin>>nam3;

cout<<endl;

cout<<"\n\t :::: ENTER OTHER DETAILS :::::";

cout<<endl;

cout<<"\n Enter the model no.:";

cin>>mn3;

cout<<endl;

cout<<"\n Enter the price :";

cin>>prc3;

cout<<endl;

cout<<"\n Discount offer :";

cin>>dsc3;

cout<<endl;

cout<<"\n\t \* \* \*Special Features\* \* \*";

ftrs3();

}

void display8()

{

cout<<"\n Name of computer :"<<nam3;

cout<<endl;

cout<<"\n\t ~ ~ ~OTHER DETAILS~~~";

cout<<endl;

cout <<"\n Discount ="<<dsc3;

cout<<endl;

cout<<"\n Model no.:"<<mn3;

cout<<endl;

cout<<"\n Price:"<<prc3;

cout<<endl;

cout<<"\n\t \* \* \*Special Features\* \* \*";

cout<<endl;

cout<<"\n Harddisk : "<<hd3;

cout<<"\n RAM : "<<ram3;

cout<<"\n Graphic Card : "<<grp3;

cout<<"\n Motherboard : "<<mb3;

cout<<"\n Operating System : \n"<<os3;

}

}hc;

int hcl::Return8()

{

return mn3;

}

void displayhcl()

{

cout<<"\n HCL COMPUTERS IN YOUR STOCK:";

cout<<endl;

ifstream sg11("hcl.dat",ios::in||ios::binary);

sg11.seekg(0);

while(!sg11.eof())

{

sg11.read((char\*)&hc,sizeof(hc));

if(sg11.eof())

break;

else

hc.display8();

}

}

void appendhcl()

{

ofstream sg11("hcl.dat",ios::app||ios::binary);

cout<<"\n -->Enter detail of HCL computer you want to add"<<"\n";

hc.getdata8();

sg11.seekp(pos9);

sg11.write((char\*)&hc,sizeof(hc));

sg11.close();

}

void deletehcl()

{

ifstream sg12("hcl.dat",ios::in||ios::binary);

ofstream sg13("tmp3.dat",ios::out||ios::binary);

int srch3;

char fnd3='f',cnfrm3='n';

cout<<"\n -->Enter the model no of computer which is to be deleted from stock:";

cin>>srch3;

sg12.seekg(0);

while(!sg12.eof())

{

sg12.read((char\*)&hc,sizeof(hc));

if(hc.Return8()==srch3)

{

hc.display8();

fnd3='y';

cout<<"\n Are you really want to delete this record?(y\n)";

cin>>cnfrm3;

if(cnfrm3=='n')

sg13.write((char\*)&hc,sizeof(hc));

}

else

sg13.write((char\*)&hc,sizeof(hc));

}

if(fnd3=='f')

cout<<"\n --> Computer not found";

sg12.close();

sg13.close();

remove("hcl.dat");

rename("tmp3.dat","hcl.dat");

clrscr();

ifstream sg14("hcl.dat",ios::in||ios::binary);

cout<<"\n\t \* Now list of HCL computers are\*";

sg14.seekg(0);

while(!sg14.eof())

{

sg14.read((char\*)&hc,sizeof(hc));

if(sg14.eof())

break;

else

hc.display8();

}

sg14.close();

}

void hcl:: modifyhcl()

{

char hcname[20];

float hcdis;

int hcmno;

float hcprice;

float hchd;

float hcram;

float hcgrp;

float hcmb;

char hcos[20];

cout<<"\n Enter the details :";

cout<<endl;

cout<<"\n Enter new name of computer :";

cin>>hcname;

strcpy(nam3,hcname);

cout<<endl;

cout<<"\n Enter new discount:";

cin>>hcdis;

dsc3=hcdis;

cout<<endl;

cout<<"\n Enter new model no:";

cin>>hcmno;

mn3=hcmno;

cout<<endl;

cout<<"\n Enter new price:";

cin>>hcprice;

prc3=hcprice;

cout<<endl;

cout<<"\n Harddisk:";

cin>>hchd;

hd3=hchd;

cout<<endl;

cout<<"\n RAM:";

cin>>hcram;

ram3=hcram;

cout<<endl;

cout<<"\n Graphics Card:";

cin>>hcgrp;

grp3=hcgrp;

cout<<endl;

cout<<"\n Motherboard:";

cin>>hcmb;

mb3=hcmb;

cout<<endl;

cout<<"\n Operating System:";

cin>>hcos;

strcpy(os3,hcos);

cout<<endl;

}

class dell

{

float dsc4;

int mn4;

float prc4;

float hd4;

float ram4;

float grp4;

char nam4[20];

int mb4;

char os4[20];

public:

void modifydell();

int Return9();

void ftrs4()

{

cout<<"\n Harddisk : ";

cin>>hd4;

cout<<endl;

cout<<"\n RAM : ";

cin>>ram4;

cout<<endl;

cout<<"\n Graphic Card : ";

cin>>grp4;

cout<<endl;

cout<<"\n Motherboard : ";

cin>>mb4;

cout<<endl;

cout<<"\n Operating System : ";

cin>>os4;

cout<<endl;

}

void getdata9()

{

cout<<"\n Enter the name of computer:";

cin>>nam4;

cout<<endl;

cout<<"\n\t :::: ENTER OTHER DETAILS :::::";

cout<<endl;

cout<<"\n Enter the model no.:";

cin>>mn4;

cout<<endl;

cout<<"\n Enter the price:";

cin>>prc4;

cout<<endl;

cout<<"\n Discount offer:";

cin>>dsc4;

cout<<endl;

cout<<"\n\t \* \* \*Special Features\* \* \*";

cout<<endl;

ftrs4();

}

void display9()

{

cout<<"\n Name of computer :"<<nam4;

cout<<endl;

cout<<"\n\t~ ~ ~OTHER DETAILS~ ~ ~";

cout<<endl;

cout <<"\n Discount ="<<dsc4;

cout<<endl;

cout<<"\n Model no.:"<<mn4;

cout<<endl;

cout<<"\n Price:"<<prc4;

cout<<endl;

cout<<"\n\t \* \* \*Special Features\* \* \*";

cout<<"\n Harddisk: "<<hd4;

cout<<"\n RAM: "<<ram4;

cout<<"\n Graphic Card: "<<grp4;

cout<<"\n Motherboard: "<<mb4;

cout<<"\n Operating System: \n"<<os4;

}

}d;

int dell::Return9()

{

return mn4;

}

void displaydell()

{

cout<<"\n DELL COMPUTERS IN YOUR STOCK:";

cout<<endl;

ifstream sg16("dell.dat",ios::in||ios::binary);

sg16.seekg(0);

while(!sg16.eof())

{

sg16.read((char\*)&d,sizeof(d));

if(sg16.eof())

break;

else

d.display9();

}

}

void appenddell()

{

ofstream sg17("dell.dat",ios::app||ios::binary);

cout<<"\n -->Enter detail of Dell computer you want to add"<<"\n";

d.getdata9();

sg17.seekp(pos11);

sg17.write((char\*)&d,sizeof(d));

sg17.close();

}

void deletedell()

{

ifstream sg18("dell.dat",ios::in||ios::binary);

ofstream sg19("tmp4.dat",ios::out||ios::binary);

int srch4;

char fnd4='f',cnfrm4='n';

cout<<"\n --> Enter the model no of computer which is to be deleted from stock:";

cin>>srch4;

sg18.seekg(0);

while(!sg18.eof())

{

sg18.read((char\*)&d,sizeof(d));

if(d.Return9()==srch4)

{

d.display9();

fnd4='y';

cout<<"\n Are you really want to delete this record?(y\n)";

cin>>cnfrm4;

if(cnfrm4=='n')

sg19.write((char\*)&d,sizeof(d));

}

else

sg19.write((char\*)&d,sizeof(d));

}

if(fnd4=='f')

cout<<"\n -->Computer not found";

sg18.close();

sg19.close();

remove("dell.dat");

rename("tmp4.dat","dell.dat");

clrscr();

ifstream sg20("dell.dat",ios::in||ios::binary);

cout<<"\n\t \* Now list of Dell computers are\*";

sg20.seekg(0);

while(!sg20.eof())

{

sg20.read((char\*)&d,sizeof(d));

if(sg20.eof())

break;

else

d.display9();

}

sg20.close();

}

void dell:: modifydell()

{

char dname[20];

float ddis;

int dmno;

float dprice;

float dhd;

float dram;

float dgrp;

float dmb;

char dos[20];

cout<<"\n Enter the details:";

cout<<endl;

cout<<"\n Enter new name of computer:";

cin>>dname;

strcpy(nam4,dname);

cout<<endl;

cout<<"\n Enter new discount:";

cin>>ddis;

dsc4=ddis;

cout<<endl;

cout<<"\n Enter new model no:";

cin>>dmno;

mn4=dmno;

cout<<endl;

cout<<"\n Enter new price:";

cin>>dprice;

prc4=dprice;

cout<<endl;

cout<<"\n Harddisk:";

cin>>dhd;

hd4=dhd;

cout<<endl;

cout<<"\n RAM:";

cin>>dram;

ram4=dram;

cout<<endl;

cout<<"\n Graphics Card:";

cin>>dgrp;

grp4=dgrp;

cout<<endl;

cout<<"\n Motherboard:";

cin>>dmb;

mb4=dmb;

cout<<endl;

cout<<"\n Operating System:";

cin>>dos;

strcpy(os4,dos);

cout<<endl;

}

class othercomp

{

char nam5[20];

float dsc5;

int mn5;

float prc5;

float hd5;

float ram5;

float grp5;

float mb5;

char os5[20];

char ccom[20];

public:

int cReturn();

void modifyothercom();

void ftrs5()

{

cout<<"\n Harddisk : ";

cin>>hd5;

cout<<endl;

cout<<"\n RAM : ";

cin>>ram5;

cout<<endl;

cout<<"\n Graphic Card : ";

cin>>grp5;

cout<<endl;

cout<<"\n Motherboard : ";

cin>>mb5;

cout<<endl;

cout<<"\n Operating System : ";

cin>>os5;

cout<<endl;

}

void getdata10()

{

cout<<"\n Enter the name of computer:";

cin>>nam5;

cout<<endl;

cout<<"\n Enter the BRAND:";

cin>>ccom;

cout<<"\n\t :::: ENTER OTHER DETAILS :::::";

cout<<endl;

cout<<"\n Enter the model no.:";

cin>>mn5;

cout<<endl;

cout<<"\n Enter the price:";

cin>>prc5;

cout<<endl;

cout<<"\n Discount offer:";

cin>>dsc5;

cout<<endl;

cout<<"\n\t \* \* \*Special Features\* \* \*";

cout<<endl;

ftrs5();

}

void display10()

{

cout<<"\n Name of computer :"<<nam5;

cout<<endl;

cout<<"\n BRAND:"<<ccom;

cout<<"\n\t~ ~ ~OTHER DETAILS~ ~ ~";

cout<<endl;

cout <<"\n Discount ="<<dsc5;

cout<<endl;

cout<<"\n Model no.:"<<mn5;

cout<<endl;

cout<<"\n Price:"<<prc5;

cout<<endl;

cout<<"\n\t \* \* \*Special Features\* \* \*";

cout<<"\n Harddisk: "<<hd5;

cout<<"\n RAM: "<<ram5;

cout<<"\n Graphic Card: "<<grp5;

cout<<"\n Motherboard: "<<mb5;

cout<<"\n Operating System: \n"<<os5;

}

}co;

void displayothercom()

{

cout<<"\n OTHER COMPUTER IN YOUR STOCK ARE:";

ifstream ds20("othercomp.dat",ios::in||ios::binary);

ds20.seekg(0);

while(!ds20.eof())

{

ds20.read((char\*)&co,sizeof(co));

if(ds20.eof())

break;

else

co.display10();

}

}

void deleteothercom()

{

ifstream ds20("othercomp.dat",ios::in||ios::binary);

ofstream ds21("ctemp1.dat",ios::out||ios::binary);

int csearch;

char cfound='f',cconfirm='n';

cout<<"\n --> Enter the model no. of computer which is to be deleted from stock:";

cout<<endl;

cin>>csearch;

ds20.seekg(0);

while(!ds20.eof())

{

ds20.read((char\*)&co,sizeof(co));

if(co.cReturn()==csearch)

{

co.display10();

cfound='y';

cout<<"\n Are you really want to delete this record? (y\n)";

cin>>cconfirm;

if(cconfirm=='n')

ds21.write((char\*)&co,sizeof(co));

}

else

ds21.write((char\*)&co,sizeof(co));

}

if(cfound=='f')

cout<<"\n --> COMPUTER not found";

cout<<endl;

ds20.close();

ds21.close();

remove("othercomp.dat");

rename("ctemp1.dat","othercomp.dat");

clrscr();

ifstream ds22("othercomp.dat",ios::in||ios::binary);

cout<<"\n\tNow list of OTHER mobile are:";

cout<<endl;

ds22.seekg(0);

while(!ds22.eof())

{

ds22.read((char\*)&co,sizeof(co));

if(ds22.eof())

break;

else

co.display10();

}

ds22.close();

}

void appendcom()

{

ofstream ds23("othercomp.dat",ios::app||ios::binary);

cout<<"\n --> Enter detail of OTHER COMPUTER you want to add"<<"\n";

cout<<endl;

co.getdata10();

ds23.seekp(cpos);

ds23.write((char\*)&co,sizeof(co));

ds23.close();

}

int othercomp::cReturn()

{

return mn5;

}

void othercomp:: modifyothercom()

{

char cname[20];

float cdis;

int cmno;

float cprice;

float chd;

float cram;

float cgrp;

float cmb;

char cos[20];

cout<<"\n Enter the details:";

cout<<endl;

cout<<"\n Enter new name of computer:";

cin>>cname;

strcpy(nam5,cname);

cout<<endl;

cout<<"\n Enter new discount:";

cin>>cdis;

dsc5=cdis;

cout<<endl;

cout<<"\n Enter new model no:";

cin>>cmno;

mn5=cmno;

cout<<endl;

cout<<"\n Enter new price:";

cin>>cprice;

prc5=cprice;

cout<<endl;

cout<<"\n Harddisk:";

cin>>chd;

hd5=chd;

cout<<endl;

cout<<"\n RAM:";

cin>>cram;

ram5=cram;

cout<<endl;

cout<<"\n Graphics Card:";

cin>>cgrp;

grp5=cgrp;

cout<<endl;

cout<<"\n Motherboard:";

cin>>cmb;

mb5=cmb;

cout<<endl;

cout<<"\n Operating System:";

cin>>cos;

strcpy(os5,cos);

cout<<endl;

}

void discom()

{

int sd;

clrscr();

cout<<"\n\t\t\t\* \* \* \* \* \*BRAND\* \* \* \* \* \* \*";

cout<<endl;

cout<<"\n1:APPLE";

cout<<endl;

cout<<"\n2:HP";

cout<<endl;

cout<<"\n3:HCL";

cout<<endl;

cout<<"\n4:DELL";

cout<<endl;

cout<<"\n5:OTHER";

cout<<"\n Enter your choice: ";

cin>>sd;

if(sd==1)

{ char sd8;

int as1;

int sd;

int o=0;

ofstream em1("apple.dat",ios::out|ios::binary);

do

{

cout<<"\n => Enter the details of "<<(o+1)<<" APPLE COMPUTER\n";

a.getdata6();

em1.write((char \*)&a,sizeof(a));

pos7=em1.tellp();

o++;

cout<<"\n -->Do you want to add more APPLE COMPUTER:";

cin>>sd;

clrscr();

}while(sd=='y'||sd=='Y');

em1.close();

do

{

cout<<"\n\* \* \* \* \* \*| WHAT DO YOU WANT TO DO |\* \* \* \* \* \*";

cout<<endl;

cout<<"\n 1:Display the list of APPLE COMPUTER:";

cout<<endl;

cout<<"\n 2:Add more APPLE COMPUTER in the list:";

cout<<endl;

cout<<"\n 3:Delete APPLE COMPUTER from the list:";

cout<<endl;

cout<<"\n 4:Modify the details of APPLE COPMPUTER:";

cout<<endl;

cout<<"\n 5:Want to see category list again:";

cout<<endl;

cout<<"\nEnter your choice:";

cin>>as1;

if(as1==1)

{ clrscr();

displayapple();

}

else if(as1==2)

{ clrscr();

appendapple();

}

else if(as1==3)

{ clrscr();

deleteapple();

}

else if(as1==4)

{

int ap1;

char an1;

long pos15;

clrscr();

cout<<"\n -->Enter the MODEL no. to be modified : ";

cin>>ap1;

fstream em2("apple.dat",ios::in|ios::out|ios::binary);

em2.seekg(0);

while(!em2.eof())

{

pos15=em2.tellg();

em2.read((char\*)&a,sizeof(a));

if(a.Return6()==ap1)

{

a.modifyapple();

em2.seekg(pos15);

em2.write((char\*)&a,sizeof(a));

an1='y';

break;

}

}

if (an1=='n')

cout<<"\n -->Record Not Found";

}

else if(as1==5)

{ clrscr();

category();

}

cout<<"\n\t\* DO YOU WANT TO SEE ABOVE MENU AGAIN \*";

cin>>sd8;

clrscr();

}while(sd8=='y'||sd8=='Y');

}

else if(sd==2)

{

char sd2,sd10;

int hp1;

clrscr();

ofstream em3("hp.dat",ios::out|ios::binary);

do

{

int p=0;

cout<<"\n => Enter the details of "<<(p+1)<<"HP COMPUTER\n";

h.getdata7();

em3.write((char\*)&h,sizeof(h));

pos8=em3.tellp();

p++;

cout<<"\n -->Do you want to add more HP COPMUTER:";

cin>>sd2;

clrscr();

}while(sd2=='y'||sd2=='Y');

em3.close();

do

{

cout<<"\n\* \* \* \* \* \*| WHAT DO YOU WANT TO DO |\* \* \* \* \* \* ";

cout<<endl;

cout<<"\n 1:Display the list of HP COMPUTER:";

cout<<endl;

cout<<"\n 2:Add more HP COMPUTER in the list:";

cout<<endl;

cout<<"\n 3:Delete HP COMPUTER from the list:";

cout<<endl;

cout<<"\n 4:Modify the details of HP COMPUTER mobiles:";

cout<<endl;

cout<<"\n 5:Want to see category list";

cout<<endl;

cout<<"\n Enter your choice:";

cin>>hp1;

if(hp1==1)

{ clrscr();

displayhp();

}

else if(hp1==2)

{ clrscr();

appendhp();

}

else if(hp1==3)

{ clrscr();

deletehp();

}

else if(hp1==4)

{

int hp2;

char an2;

clrscr();

cout<<"\n -->Enter the MODEL no. to be modified : ";

cin>>hp2;

fstream em4("hp.dat",ios::in|ios::out|ios::binary);

em4.seekg(0);

long pos16;

while(!em4.eof())

{

pos16=em4.tellg();

em4.read((char\*)&h,sizeof(h));

if(h.Return7()==hp2)

{

h.modifyhp();

em4.seekg(pos16);

em4.write((char\*)&h,sizeof(h));

an2='y';

break;

}

}

if (an2=='n')

cout<<"\n -->Record Not Found";

}

else if(hp1==5)

{

category();

}

cout<<"\n\t \* DO YOU WANT TO SEE ABOVE MENU AGAIN \*:";

cin>>sd10;

clrscr();

}while(sd10=='y'||sd10=='Y');

}

else if(sd==3)

{

char sd3;

char sd12;

int hcl1;

clrscr();

int q=0;

ofstream em5("hcl.dat",ios::out|ios::binary);

do

{

cout<<"\n => Enter the details of "<<(q+1)<<" HCL COMPUTER\n";

hc.getdata8();

em5.write((char\*)&hc,sizeof(hc));

pos9=em5.tellp();

q++;

cout<<"\n -->Want to add more HCL COMPUTER:";

cin>>sd3;

clrscr();

}while(sd3=='y'||sd3=='Y');

em5.close();

do

{

cout<<"\n\* \* \* \* \* \*| WHAT DO YOU WANT TO DO |\* \* \* \* \* \*";

cout<<endl;

cout<<"\n 1:Display the list of HCL COMPUTER:";

cout<<endl;

cout<<"\n 2:Add more HCL COMPUTER in the list:";

cout<<endl;

cout<<"\n 3:Delete HCL COMPUTER from the list:";

cout<<endl;

cout<<"\n 4:Modify the details of HCL COMPUTER:";

cout<<endl;

cout<<"\n 5:Want to see category:";

cout<<endl;

cout<<"\n Enter your choice:";

cin>>hcl1;

if(hcl1==1)

{ clrscr();

displayhcl();

}

else if(hcl1==2)

{ clrscr();

appendhcl();

}

else if(hcl1==3)

{ clrscr();

deletehcl();

}

else if(hcl1==4)

{

int hcl2;

char sd11;

long pos17;

clrscr();

cout<<"\n--> Enter the MODEL no. to be modified : ";

cin>>hcl2;

fstream em6("hcl.dat",ios::in|ios::out|ios::binary);

em6.seekg(0);

while(!em6.eof())

{

pos17=em6.tellg();

em6.read((char\*)&hc,sizeof(hc));

if(hc.Return8()==hcl2)

{

hc.modifyhcl();

em6.seekg(pos17);

em6.write((char\*)&hc,sizeof(hc));

sd11='y';

break;

}

}

if (sd11=='n')

cout<<"\n -->Record Not Found";

}

else if(hcl1==5)

{ clrscr();

category();

}

cout<<"\n \* DO YOU WANT TO SEE ABOVE MENU AGAIN \*:";

cout<<endl;

cin>>sd12;

clrscr();

}while(sd12=='y'||sd12=='Y');

}

else if(sd==4)

{

char sd4,sd14;

int del1;

clrscr();

int r=0;

ofstream em7("dell.dat",ios::out|ios::binary);

do

{

cout<<"\n => Enter the details of "<<(r+1)<<" DELL COMPUTER\n";

d.getdata9();

em7.write((char\*)&d,sizeof(d));

pos10=em7.tellp();

r++;

cout<<"\n -->Want to add more DELL COPMPUTER:";

cin>>sd4;

clrscr();

}while(sd4=='y'||sd4=='Y');

em7.close();

do

{

cout<<"\n\* \* \* \* \* \*| WHAT DO YOU WANT TO DO |\* \* \* \* \* \* ";

cout<<endl;

cout<<"\n 1:Display the list of DELL COMPUTER:";

cout<<endl;

cout<<"\n 2:Add more DELL COMPUTER in the list:";

cout<<endl;

cout<<"\n 3:Delete COMPUTER from the list:";

cout<<endl;

cout<<"\n 4:Modify the details of DELL COMPUTER:";

cout<<endl;

cout<<"\n 5:Want to see the category:";

cout<<endl;

cout<<"\n Enter your choice:";

cin>>del1;

if(del1==1)

{ clrscr();

displaydell();

}

else if(del1==2)

{ clrscr();

appenddell();

}

else if(del1==3)

{ clrscr();

deletedell();

}

else if(del1==4)

{

int del2;

char sd13;

long pos18;

clrscr();

cout<<"\n -->Enter the MODEL no. to be modified : ";

cin>>del2;

fstream em8("dell.dat",ios::in|ios::out|ios::binary);

em8.seekg(0);

while(!em8.eof())

{

pos18=em8.tellg();

em8.read((char\*)&d,sizeof(d));

if(d.Return9()==del2)

{

d.modifydell();

em8.seekg(pos18);

em8.write((char\*)&d,sizeof(d));

sd13='y';

break;

}

}

if (sd13=='n')

cout<<"\n -->Record Not Found";

}

else if(del1==5)

{ clrscr();

category();

}

cout<<"\n \*Do YOU WANT TO SEE ABOVE MENU AGAIN \*:";

cin>>sd14;

clrscr();

}while(sd14=='y'||sd14=='Y');

}

if(sd==5)

{

clrscr();

int as1;

char sd;

char sd8;

int a=0;

ofstream ds25("othercomp.dat",ios::out|ios::binary);

do

{

cout<<"\n => Enter the details of "<<(a+1)<<" OTHER COMPUTER\n";

co.getdata10();

ds25.write((char \*)&co,sizeof(co));

cpos=ds25.tellp();

a++;

cout<<"\n -->Do you want to add more OTHER COMPUTER:";

cin>>sd;

clrscr();

}while(sd=='y'||sd=='Y');

ds25.close();

do

{

cout<<"\n\* \* \* \* \* \*| WHAT DO YOU WANT TO DO |\* \* \* \* \* \*";

cout<<endl;

cout<<"\n 1:Display the list of OTHER COMPUTER:";

cout<<endl;

cout<<"\n 2:Add more COMPUTER in the list:";

cout<<endl;

cout<<"\n 3:Delete OTHER COMPUTER from the list:";

cout<<endl;

cout<<"\n 4:Modify the details of OTHER COMPUTER:";

cout<<endl;

cout<<"\n 5:Want to see category list again:";

cout<<endl;

cout<<"\nEnter your choice:";

cin>>as1;

if(as1==1)

{ clrscr();

displayothercom();

}

else if(as1==2)

{ clrscr();

appendcom();

}

else if(as1==3)

{ clrscr();

deleteothercom();

}

else if(as1==4)

{

int ocp;

char an1;

long possd;

clrscr();

cout<<"\n -->Enter the MODEL no. to be modified : ";

cin>>ocp;

fstream ds26("othercomp.dat",ios::in|ios::out|ios::binary);

ds26.seekg(0);

while(!ds26.eof())

{

possd=ds26.tellg();

ds26.read((char\*)&co,sizeof(co));

if(co.cReturn()==ocp)

{

co.modifyothercom();

ds26.seekg(possd);

ds26.write((char\*)&co,sizeof(co));

an1='y';

break;

}

}

if (an1=='n')

cout<<"\n -->Record Not Found";

}

else if(as1==5)

{ clrscr();

category();

}

cout<<"\n\t\* DO YOU WANT TO SEE ABOVE MENU AGAIN \*";

cin>>sd8;

clrscr();

}while(sd8=='y'||sd8=='Y');

}

}

void logindata()

{

char user[30];

long pass;

char choice='n';

do

{

cout<<"\n Enter the user name:";

cin>>user;

cout<<"\n Enter the password:";

cin>>pass;

clrscr();

ifstream as21("login.dat",ios::in||ios::binary);

as21.seekg(0);

while(!as21.eof())

{

as21.read((char\*)&lo,sizeof(lo));

if((pass==lo.returnpw())&&(lo.returnusername(user)=0))

category();

else

{

cout<<"\n Enter again(y/n):";

cin>>choice;

if(choice=='n')

exit(0);

}

}

}while(choice=='y'||choice=='Y');

}

void changepasword()

{

long posl1;

int newun;

char sd30='y';

cout<<"\n -->Enter the user no. whose pasaword is to be modified : ";

cin>>newun;

fstream lo1("login.dat",ios::in|ios::out|ios::binary);

lo1.seekg(0);

while(!lo1.eof())

{

posl1=lo1.tellg();

lo1.read((char\*)&lo,sizeof(lo));

if(lo.returnuserno()==newun)

{

lo.modifypw();

lo1.seekg(posl1);

lo1.write((char\*)&lo,sizeof(lo));

sd30='y';

break;

}

}

if (sd30=='n')

cout<<"\n -->Record Not Found";

}

void changeusername()

{

long posl2;

int newun;

char sd31='y';

cout<<"\n -->Enter the user no. whose username is to be modified : ";

cin>>newun;

fstream lo2("login.dat",ios::in|ios::out|ios::binary);

lo2.seekg(0);

while(!lo2.eof())

{

posl2=lo2.tellg();

lo2.read((char\*)&lo,sizeof(lo));

if(lo.returnuserno()==newun)

{

lo.modifyname();

lo2.seekg(posl2);

lo2.write((char\*)&lo,sizeof(lo));

sd31='y';

break;

}

}

if (sd31=='n')

cout<<"\n -->Record Not Found";

}

void main()

{ clrscr();

int da;

char pd='y';

cout<<endl;

cout<<"\n\t\t\t \_\_\_\_\_\_\_WELCOME\_\_\_\_\_\_\_\_"<<endl;

cout<<"\n\t\t\t\_\_\_\_\_\_\_\_SASS SHOP\_\_\_\_\_\_";

cout<<endl;

cout<<endl;

cout<<"\n !!! Create the username and password !!!"<<endl;

createpw();

clrscr();

do

{

cout<<"\n !!!!!!!! MENU !!!!!!!!";

cout<<"\n 1:WANT TO LOGIN";

cout<<"\n 2:WANT TO CHANGE PASSWORD";

cout<<"\n 3:WANT TO CHANGE USERNAME";

cout<<"\n 4:WANT TO EXIT FROM DATABASE";

cout<<"\n Enter your choice:";

cin>>da;

clrscr();

switch(da)

{

case 1:logindata();

break;

case 2:changepasword();

break;

case 3:changeusername();

break;

case 4:cout<<"\n Thanks ";

exit(0);

}

cout<<"\nDO YOU WANT TO SEE ABOVE MENU AGAIN(Y/N):";

cin>>pd;

clrscr();

}while(pd=='y'||pd=='Y');

getch();

}