**#include<fstream.h>**

**#include<conio.h>**

**#include<stdio.h>**

**#include<string.h>**

**#include<dos.h>**

**using namespace std;**

**struct dt //food items**

**{ char ftype[20];**

**char fname[30];**

**float cost;**

**int nop;**

**};**

**struct table //table booking**

**{ char tfor[20];**

**char ttype[15];**

**float tcost;**

**int no;**

**};**

**struct staff**

**{ char nme[20];**

**char dept[20];**

**char dsg[15];**

**float slry;**

**};**

**class rstr**

**{ dt m;**

**table p;**

**staff o;**

**int n,r;**

**char tdate[20];**

**public:**

**void min(); //menu zone**

**void mmodify();**

**void msrch();**

**void mdel();**

**void mout();**

**void tin(); //table booking zone**

**void tmodify();**

**void tout();**

**void stin(); //staff management**

**void stsrch();**

**void stmod();**

**void stdel();**

**void stout();**

**void bill(); //bill payment**

**}L;**

**void rstr::min() //menu input**

**{cout<<"\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*MENUSPECIFICATION\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*"**

**<<endl;**

**cout<<"\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*"<<**

**endl;**

**ofstream A("menu.dat",ios::binary|ios::app);**

**cout<<"\n Enter no of food items: ";**

**cin>>n;**

**cout<<"\n Enter menu details as....";**

**cout<<"\n food type.. food name....food cost..";**

**cout<<"\n Enter one type of food items ....nd continue like this: ";**

**for(int i=0;i<n;i++)**

**{gets(m.ftype);**

**gets(m.fname);**

**cin>>m.cost;**

**A.write((char\*)&m,sizeof(m));**

**}**

**A.close();**

**}**

**void rstr::msrch() //search in food menu**

**{ ifstream A("menu.dat",ios::binary);**

**int ch,f=0;**

**char ft[20],fn[20];**

**cout<<"\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*MENUSEARCH\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*"<<endl;**

**cout<<"\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*"<<endl;**

**cout<<"\n 1.SEARCH BY FOOD TYPE";**

**cout<<"\n 2.SEARCH BY FOOD NAME";**

**cin>>ch;**

**switch(ch)**

**{ case 1:**

**{ cout<<"\n Enter food type to search: ";**

**gets(ft);**

**cout<<"FOOD TYPE"<<"\t"<<"FOOD NAME"<<endl;**

**while(!A.eof())**

**{A.read((char\*)&m,sizeof(m));**

**if(strcmpi(m.ftype,ft)==0)**

**{f=1;**

**cout<<m.ftype<<"\t"<<" "<<m.fname<<endl;**

**}}**

**if(f==0)**

**cout<<"NONE"<<"\t"<<" "<<"NONE"<<endl;**

**A.close();}**

**break;**

**case 2:**

**{ cout<<"\n Enter food name to search: ";**

**gets(fn);**

**cout<<"FOOD TYPE"<<"\t"<<"FOOD NAME"<<endl;**

**while(!A.eof())**

**{A.read((char\*)&m,sizeof(m));**

**if(strcmpi(m.fname,fn)==0)**

**{f=1;**

**cout<<m.ftype<<"\t"<<" "<<m.fname<<endl;**

**}}**

**if(f==0)**

**cout<<"NONE"<<"\t"<<" "<<"NONE"<<endl;**

**A.close();}**

**break;**

**default:**

**cout<<"\n INCORRECT CHOICE";**

**}}**

**void rstr::mmodify() //menu modification**

**{**

**int ch=1,t;**

**char fp[20],fn[20];**

**cout<<"\*\*\*\*\*\*\*\*\*\*\*\*\*\*MENU MODIFICATION\*\*\*\*\*\*\*\*\*\*\*\*"**

**<<endl;**

**cout<<" \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*"<<endl;**

**while(ch!=4)**

**{fstream A("menu.dat",ios::binary|ios::in|ios::out);**

**cout<<"\n 1.ADD NEW FOOD ITEM";**

**cout<<"\n 2.RENAME ANY FOOD ITEM";**

**cout<<"\n 3.MODIFY FOOD COST";**

**cout<<"\n 4.EXIT";**

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

**cin>>ch;**

**switch(ch)**

**{ case 1:**

**{ ofstream A("menu.dat",ios::binary|ios::app);**

**cout<<"\nEnter food type.. food name....food cost.. ";**

**gets(m.ftype);**

**gets(m.fname);**

**cin>>m.cost;**

**A.write((char\*)&m,sizeof(m));**

**A.close();**

**}**

**break;**

**case 2:**

**{**

**cout<<"\n Enter food name to rename: ";**

**gets(fn);**

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

**gets(fp);**

**while(!A.eof())**

**{ A.read((char\*)&m,sizeof(m));**

**if(strcmpi(m.fname,fn)==0)**

**{ strcpy(m.fname,fp);**

**t=A.tellg();**

**A.seekp(t-sizeof(m));**

**A.write((char\*)&m,sizeof(m));**

**}}**

**A.close();**

**}**

**break;**

**case 3:**

**{**

**float cst;**

**cout<<"\n Enter food name whose cost is to be altered: ";**

**gets(fn);**

**cout<<"\n Enter new food cost: ";**

**cin>>cst;**

**while(!A.eof())**

**{ A.read((char\*)&m,sizeof(m));**

**if(strcmpi(m.fname,fn)==0)**

**{ m.cost=cst;**

**t=A.tellg();**

**A.seekp(t-sizeof(m));**

**A.write((char\*)&m,sizeof(m));**

**}}**

**A.close();**

**}**

**break;**

**default:**

**{if((ch<1)||(ch>4))**

**cout<<"\n INCORRECT CHOICE";**

**}}}**

**cout<<"\n DETAILS AFTER MODIFICATION: ";**

**cout<<endl;**

**L.mout();**

**}**

**void rstr::mdel() //menu deletion**

**{ char fn[20];**

**int t;**

**ifstream A("menu.dat",ios::binary);**

**ofstream B("abc.dat",ios::binary);**

**cout<<"\*\*\*\*\*\*\*\*\*\*\*DELETION IN FOOD MENU\*\*\*\*\*\*\*\*\*\*\*"**

**<<endl;**

**cout<<"\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*"<<endl;**

**cout<<"\n Enter food name to be deleted: ";**

**gets(fn);**

**A.read((char\*)&m,sizeof(m));**

**while(!A.eof())**

**{**

**if(strcmpi(m.fname,fn)!=0)**

**B.write((char\*)&m,sizeof(m));**

**A.read((char\*)&m,sizeof(m));**

**}**

**A.close();**

**B.close();**

**remove("menu.dat");**

**rename("abc.dat","menu.dat");**

**cout<<"\n DETAILS AFTER DELETION: ";**

**cout<<endl;**

**L.mout();**

**}**

**void rstr::mout() //menu output**

**{ cout<<" \*\*\*\*\*\*\*\*\*\*\*SSS RESTRAUNT MENU\*\*\*\*\*\*\*\*\*\*\*"<<**

**endl;**

**cout<<" \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*"<<endl;**

**ifstream A("menu.dat",ios::binary);**

**cout<<"FOOD TYPE"<<"\t"<<"FOOD NAME"<<"\t"<<**

**"FOOD COST"<<endl;**

**A.read((char\*)&m,sizeof(m));**

**while(!A.eof())**

**{**

**cout<<m.ftype<<"\t"<<" "<<m.fname<<"\t"<<" "**

**<<m.cost<<endl;**

**A.read((char\*)&m,sizeof(m));**

**}**

**A.close();**

**}**

**//Table booking**

**void rstr::tin() //table details input**

**{ ofstream A("table.dat",ios::binary);**

**int s;**

**cout<<" \*\*\*\*\*\*\*\*\*\*\*\*\*TABLE SPECIFICATION\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* "<<endl;**

**cout<<" \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*"<<endl;**

**cout<<"\n Enter no of details to enter: ";**

**cin>>s;**

**cout<<"\n Enter the details as.....table for lunch or dinner....";**

**cout<<"\n table type...normal...standard...exquisite...";**

**cout<<"\n table cost....no of such tables ";**

**cout<<"\n Enter a particular type ....nd then continue: ";**

**for(int i=0;i<n;i++)**

**{gets(p.tfor);**

**gets(p.ttype);**

**cin>>p.tcost;**

**cin>>p.no;**

**A.write((char\*)&p,sizeof(p));**

**}**

**A.close();**

**}**

**void rstr::tmodify() //table modification**

**{**

**int ch=1;**

**char tt[20];**

**cout<<" \*\*\*\*\*\*\*\*\*TABLE BOOKING MODIFICATION\*\*\*\*\*\*\*\*\*\*\*"**

**<<endl;**

**cout<<" \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*"<<endl;**

**while(ch!=4)**

**{fstream A("table.dat",ios::binary|ios::in|ios::out);**

**cout<<"\n 1.ADD NEW TABLE TYPE";**

**cout<<"\n 2.MODIFY TABLE COST";**

**cout<<"\n 3.MODIFY NO OF TABLES";**

**cout<<"\n 4.EXIT";**

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

**cin>>ch;**

**switch(ch)**

**{ case 1:**

**{ ofstream A("menu.dat",ios::binary|ios::app);**

**cout<<"\nEnter table type.. table for....table cost..nd no of tables: ";**

**gets(p.ttype);**

**gets(p.tfor);**

**cin>>p.tcost;**

**cin>>p.no;**

**A.write((char\*)&p,sizeof(p));**

**A.close();**

**}**

**break;**

**case 2:**

**{ int t;**

**char tt[20];**

**float cst;**

**cout<<"\n Enter table type whose cost is to be altered: ";**

**gets(tt);**

**cout<<"\n Enter new table cost: ";**

**cin>>cst;**

**while(!A.eof())**

**{ A.read((char\*)&p,sizeof(p));**

**if(strcmpi(p.ttype,tt)==0)**

**{ p.tcost=cst;**

**t=A.tellg();**

**A.seekp(t-sizeof(p));**

**A.write((char\*)&p,sizeof(p));**

**}}**

**A.close();**

**}**

**break;**

**case 3:**

**{ int nt,t;**

**char tp[15];**

**cout<<"\n Enter the table type nd new no of tables in it:";**

**gets(tp);**

**cin>>nt;**

**while(!A.eof())**

**{ A.read((char\*)&p,sizeof(p));**

**if(strcmpi(p.ttype,tp)==0)**

**{ p.no=nt;**

**t=A.tellg();**

**A.seekp(t-sizeof(p));**

**A.write((char\*)&p,sizeof(p));**

**}} A.close();**

**}**

**break;**

**default:**

**{if((ch<1)||(ch>4))**

**cout<<"\n INCORRECT CHOICE";**

**}}}**

**cout<<" \nDETAILS AFTER MODIFICATION: ";**

**cout<<endl;**

**L.tout();**

**}**

**void rstr::tout() //table booking output**

**{ ifstream A("table.dat",ios::binary);**

**cout<<"\n \*\*\*\*TABLE BOOKING DETAILS\*\*\*\*";**

**cout<<"TABLE FOR"<<"\t"<<"TABLE TYPE"<<"\t"<<"TABLE COST"<<"\t"<<"NO OF TABLES"<<endl;**

**A.read((char\*)&m,sizeof(m));**

**while(!A.eof())**

**{ cout<<p.tfor<<"\t"<<" "<<p.ttype<<"\t"<<" "<<p.tcost<<"\t"<<" "<<p.no<<endl;**

**A.read((char\*)&m,sizeof(m));**

**}}**

**//staff management**

**void rstr::stin() //staff details input**

**{cout<<"\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*STAFF DETAILS\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* "<<endl;**

**cout<<"\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*"<<endl;**

**ofstream A("staff.dat",ios::binary);**

**cout<<"\n Enter no of records: ";**

**cin>>r;**

**cout<<"\n Enter staff details as....";**

**cout<<"\n name...department...designation...salary: ";**

**for(int i=0;i<r;i++)**

**{gets(o.nme);**

**gets(o.dept);**

**gets(o.dsg);**

**cin>>o.slry;**

**A.write((char\*)&o,sizeof(o));**

**}**

**A.close(); }**

**void rstr::stsrch() //staff search**

**{ ifstream A("staff.dat",ios::binary);**

**int ch,f=0;**

**char st[20],sd[20],sdp[20];**

**cout<<"\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*STAFF SEARCH\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*"<<endl;**

**cout<<"\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*"<<endl;**

**cout<<"\n 1.SEARCH BY NAME";**

**cout<<"\n 2.SEARCH BY DEPARTMENT";**

**cout<<"\n 3.SEARCH BY DESIGNATION";**

**cin>>ch;**

**switch(ch)**

**{ case 1:**

**{ cout<<"\n Enter staff name to search: ";**

**gets(st);**

**cout<<"NAME"<<"\t"<<"DEPARTMENT"<<"\t"<<"DESIGNATION"<<"\t"<<"SALARY"<<endl;**

**while(!A.eof())**

**{A.read((char\*)&o,sizeof(o));**

**if(strcmpi(o.nme,st)==0)**

**{f=1;**

**cout<<o.nme<<"\t"<<" "<<o.dept<<"\t"<<" "<<o.dsg**

**<<"\t"<<" "<<o.slry<<endl;**

**}}**

**if(f==0)**

**cout<<"NONE"<<"\t"<<" "<<"NONE"<<"\t"<<" "<<**

**"NONE"<<"\t"<<" "<<"NONE"<<endl;**

**A.close();}**

**break;**

**case 2:**

**{ cout<<"\n Enter staff department to search: ";**

**gets(sdp);**

**cout<<"NAME"<<"\t"<<"DEPARTMENT"<<"\t"<<"DESIGNATION"<<"\"**

**<<"SALARY"<<endl;**

**while(!A.eof())**

**{A.read((char\*)&o,sizeof(o));**

**if(strcmpi(o.dept,sdp)==0)**

**{f=1;**

**cout<<o.nme<<"\t"<<" "<<o.dept<<"\t"<<" "**

**<<o.dsg<<"\t"<<" "<<o.slry<<endl;**

**}}**

**if(f==0)**

**cout<<"NONE"<<"\t"<<" "<<"NONE"<<"\t"<<" "**

**<<"NONE"<<"\t"<<" "<<"NONE"<<endl;**

**A.close();}**

**break;**

**case 3:**

**{ cout<<"\n Enter staff designation to search: ";**

**gets(sd);**

**cout<<"NAME"<<"\t"<<"DEPARTMENT"<<"\t"<<"DESIGNATION"<<"\"**

**<<"SALARY"<<endl;**

**while(!A.eof())**

**{A.read((char\*)&o,sizeof(o));**

**if(strcmpi(o.dsg,sd)==0)**

**{f=1;**

**cout<<o.nme<<"\t"<<" "<<o.dept<<"\t"<<" "<<o.dsg**

**<<"\t"<<" "<<o.slry<<endl;**

**}}**

**if(f==0)**

**cout<<"NONE"<<"\t"<<" "<<"NONE"<<"\t"**

**<<" "<<"NONE"<<"\t"<<" "<<"NONE"<<endl;**

**A.close();}**

**break;**

**default:**

**cout<<"\n INCORRECT CHOICE";**

**}}**

**void rstr::stmod() //staff details modification**

**{**

**int ch=1;**

**char st[20],sn[20];**

**cout<<" \*\*\*\*\*\*\*\*\*\*\*\***

**STAFF DETAILS MODIFICATION\*\*\*\*\*\*\*\*\*\*\*\*\*"<<endl;**

**cout<<"\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*"<<endl;**

**while(ch!=4)**

**{fstream A("staff.dat",ios::binary|ios::in|ios::out);**

**cout<<"\n 1.ADD NEW RECORD";**

**cout<<"\n 2.RENAME ANY STAFF NAME";**

**cout<<"\n 3.MODIFY STAFF SALARY";**

**cout<<"\n 4.EXIT";**

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

**cin>>ch;**

**switch(ch)**

**{ case 1:**

**{ ofstream A("staff.dat",ios::binary|ios::app);**

**cout<<"\nEnter staff name..department...designation nd salary:";**

**gets(o.nme);**

**gets(o.dept);**

**gets(o.dsg);**

**cin>>(o.slry);**

**A.write((char\*)&o,sizeof(o));**

**A.close();**

**}**

**break;**

**case 2:**

**{int t;**

**cout<<"\n Enter staff name to rename: ";**

**gets(sn);**

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

**gets(st);**

**while(!A.eof())**

**{ A.read((char\*)&o,sizeof(o));**

**if(strcmpi(o.nme,sn)==0)**

**{ strcpy(o.nme,st);**

**t=A.tellg();**

**A.seekp(t-sizeof(o));**

**A.write((char\*)&o,sizeof(o));**

**}}**

**A.close();**

**}**

**break;**

**case 3:**

**{int t;**

**char sn[20];**

**float sl;**

**cout<<"\n Enter staff name whose salary is to be modified: ";**

**gets(sn);**

**cout<<"\n Enter new salary: ";**

**cin>>sl;**

**while(!A.eof())**

**{ A.read((char\*)&o,sizeof(o));**

**if(strcmpi(o.nme,sn)==0)**

**{ o.slry=sl;**

**t=A.tellg();**

**A.seekp(t-sizeof(o));**

**A.write((char\*)&o,sizeof(o));**

**}}**

**A.close(); }**

**break;**

**default:**

**{ if((ch<1)||(ch>4))**

**cout<<"\n INCORRECT CHOICE";**

**}}}**

**cout<<"\n DETAILS AFTER MODIFICATION: ";**

**cout<<endl;**

**L.stout();**

**}**

**void rstr::stdel() //staff deletion**

**{ char sn[20];**

**int t;**

**ifstream A("staff.dat",ios::binary);**

**ofstream B("pqr.dat",ios::binary);**

**cout<<"\*\*\*\*\*\*\*\*\*\*\*\*\*\*DELETION IN STAFF DETAILS\*\*\*\*\*\*\*\*\*\*\*\*\*"<<endl;**

**cout<<"\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*"**

**<<endl;**

**cout<<"\n Enter staff name to be deleted: ";**

**gets(sn);**

**A.read((char\*)&o,sizeof(o));**

**while(!A.eof())**

**{**

**if(strcmpi(o.nme,sn)!=0)**

**B.write((char\*)&o,sizeof(o));**

**A.read((char\*)&o,sizeof(o));**

**}**

**A.close();**

**B.close();**

**remove("staff.dat");**

**rename("pqr.dat","staff.dat");**

**cout<<" \nDETAILS AFTER DELETION: ";**

**cout<<endl;**

**L.stout();**

**}**

**void rstr::stout() //Staff details output**

**{ cout<<" \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*STAFF RECORDS\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*"<<endl;**

**cout<<"\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*"<<endl;**

**ifstream A("staff.dat",ios::binary);**

**cout<<"NAME"<<"\t"<<" "<<"DEPARTMENT"<<"\t"<<" "<<"DESIGNATION"<<"\t"<<" "<<"SALARY"<<endl;**

**A.read((char\*)&o,sizeof(o));**

**while(!A.eof())**

**{ cout<<o.nme<<"\t"<<" "<<o.dept<<"\t"<<" "<<**

**o.dsg<<"\t"<<" "<<o.slry<<endl;**

**A.read((char\*)&o,sizeof(o));**

**}**

**A.close();**

**}**

**void rstr::bill() //BILL PAYMENT**

**{ifstream A("menu.dat",ios::binary);**

**fstream B("table.dat",ios::binary|ios::in|ios::out);**

**int ch,nob;**

**char nm[20];**

**ch=1;**

**while(ch!=3)**

**{ clrscr();**

**cout<<" \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*BILLPAYMENT\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*"<<endl;**

**cout<<"\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*"<<endl;**

**cout<<"\n 1.BILL PAYMENT OF FOOD";**

**cout<<"\n 2.BILL PAYMENT OF TABLE BOOKING";**

**cout<<"\n 3.EXIT";**

**cout<<"\n";**

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

**cin>>ch;**

**switch(ch)**

**{ case 1:**

**{ clrscr();**

**dt ab[20];**

**char nm[20];**

**float bil=0;**

**int i=0;**

**cout<<"\n Enter no of dishes ordered: ";**

**cin>>n;**

**cout<<"\n Enter name of customer: ";**

**gets(nm);**

**while(i<n)**

**{ cout<<"\n Enter details of orders made... ";**

**cout<<"\n Enter food type...name:" <<endl;**

**gets(ab[i].ftype);**

**gets(ab[i].fname);**

**cout<<"\n Enter no of plates ordered:"<<endl;**

**cin>>ab[i].nop;**

**A.read((char\*)&m,sizeof(m));**

**while(!A.eof())**

**{**

**if(strcmpi(m.fname,ab[i].fname)==0&&**

**strcmpi(m.ftype,ab[i].ftype)==0)**

**bil=bil+(m.cost\*ab[i].nop);**

**A.read((char\*)&m,sizeof(m));**

**}**

**i++;}**

**if(bil!=0)**

**{ cout<<" \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*CASHMEMO\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*"**

**<<endl;**

**cout<<"\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*"<<endl;**

**cout<<"\n FOOD TYPE"<<"\t"<<" "<<"FOOD NAME"<<"\t"<<" "<<"NO OF PLATES"<<endl;**

**for(i=0;i<n;i++)**

**{ cout<<ab[i].ftype<<"\t"<<" "<<ab[i].fname<<"\t"<<" "<<ab[i].nop<<endl;**

**} cout<<endl;**

**cout<<" NAME: "<<nm<<endl;**

**cout<<" NET AMOUNT: "<<bil<<endl; }**

**else**

**cout<<"\n INCORRECT FOOD INPUT"<<endl;**

**i=0;**

**getch();**

**}**

**break;**

**case 2:**

**{**

**clrscr();**

**float bil=0;**

**char tf[20],tt[20];**

**cout<<"\n Enter details of booking ... ";**

**cout<<"\n Enter table for...type nd no of tables to be booked**

**";**

**cout<<"\n Enter date to be booked: ";**

**gets(tf);**

**gets(tt);**

**cin>>nob;**

**gets(tdate);**

**cout<<"\n Enter name of customer: ";**

**gets(nm);**

**while(!B.eof())**

**{B.read((char\*)&p,sizeof(p));**

**if(strcmpi(p.tfor,tf)==0&&strcmpi(p.ttype,tt)==0)**

**{bil=bil+(p.tcost\*nob);**

**}}**

**cout<<" \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*CASH MEMO\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*"**

**<<endl;**

**cout<<"\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*"**

**<<endl;**

**cout<<"\n TABLE FOR"<<"\t"<<" "<<"TABLE TYPE"<<"\t"<<" "<<"DATE"<<"\t"<<" "<<"NO OF TABLES BOOKED"<<endl;**

**cout<<tf<<"\t"<<" "<<tt<<"\t"<<" "<<tdate<<"\t"**

**<<" "<<nob<<endl;**

**cout<<"\n NAME: "<<nm;**

**cout<<"NET AMOUNT: "<<bil<<endl;**

**bil=0;**

**getch();**

**}**

**break;**

**default:**

**{if((ch<1)||(ch>3))**

**cout<<"\n INCORRECT CHOICE";**

**}}}}**

**void main() //MAIN FUNCTION**

**{ clrscr();**

**int cho=1,k;**

**cout<<endl;**

**cout<<endl;**

**cout<<endl;**

**cout<<" \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*RESTRAUNT MANAGEMENT PROJECT\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*"<<endl;**

**cout<<" \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*SUBMITTED BY: SANDEEP SINGH SAMANT\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*"<<endl;**

**cout<<" \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*GUIDED BY:MR MANISH SAXENA(PGT COMPUTERS SCIENCE)\*\*\*\*\*\*\*\*\*\*"<<endl;**

**cout<<"\n PRESS 1 TO ENTER ";**

**cin>>k;**

**if(k=1)**

**{ while(cho!=15)**

**{clrscr();**

**cout<<"\*\*\*\*\* WELCOME TO SSS RESTRAUNT \*\*\*\*\*"<<endl;**

**cout<<"\*\*\*\*\* \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* \*\*\*\*\*";**

**cout<<"\n \*@@SSS RESTRAUNT MENU@@\*";**

**cout<<"\n 1.MENU INPUT";**

**cout<<"\n 2.MENU SEARCH";**

**cout<<"\n 3.MENU MODIFY";**

**cout<<"\n 4.MENU DELETION";**

**cout<<"\n 5.MENU";**

**cout<<endl;**

**cout<<"\n \*#\*TABLE BOOK OPTION\*#\*";**

**cout<<"\n 6.TABLE BOOKING INPUT";**

**cout<<"\n 7.BOOKING MODIFY";**

**cout<<"\n 8.BOOKING DETAILS";**

**cout<<endl;**

**cout<<"\n \*\*\*#STAFF DETAILS#\*\*\*";**

**cout<<"\n 9.STAFF RECORDS INPUT";**

**cout<<"\n 10.RECORDS SEARCH";**

**cout<<"\n 11.RECORDS MODIFY";**

**cout<<"\n 12.RECORDS DELETION";**

**cout<<"\n 13.STAFF DETAILS";**

**cout<<endl;**

**cout<<"\n \*..BILL PAYMENT OPTION..\*";**

**cout<<"\n 14.BILL";**

**cout<<"\n 15.EXIT";**

**cout<<"\n ENTER YOUR CHOICE:";**

**cin>>cho;**

**if(cho!=15)**

**clrscr();**

**switch(cho)**

**{case 1:**

**{L.min();**

**getch();}**

**break;**

**case 2:**

**{L.msrch();**

**getch();}**

**break;**

**case 3:**

**{L.mmodify();**

**getch();**

**}**

**break;**

**case 4:**

**{L.mdel();**

**getch();**

**}**

**break;**

**case 5:**

**{L.mout();**

**getch();}**

**break;**

**case 6:**

**{ L.tin();**

**getch();}**

**break;**

**case 7:**

**{L.tmodify();**

**getch();}**

**break;**

**case 8:**

**{L.tout();**

**getch();}**

**break;**

**case 9:**

**{L.stin();**

**getch();}**

**break;**

**case 10:**

**{ L.stsrch();**

**getch();**

**} break;**

**case 11:**

**{ L.stmod();**

**getch();**

**}**

**break;**

**case 12:**

**{ L.stdel();**

**getch();}**

**break;**

**case 13:**

**{ L.stout();**

**getch();**

**}**

**break;**

**case 14:**

**{ L.bill();**

**getch();**

**}**

**break;**

**default:**

**{if((cho<1)||(cho>15))**

**cout<<"\n INCORRECT CHOICE"; }**

**}}}}**

**SOME SNAPSHOTS OF THE PROJECT:**