

CERTIFICATE

This is to certify that the project entitled

ICE CREAM SHOP

is prepared under my guidance and supervision by

NAME:-

ROLL NUMBER:

CLASS:XII

SUBJECT: COMPUTER SCIENCE

SESSION:201 - 201

SUBMITTED TO :- Ms.Pallavi Sharma

SIGNATURE:-

Acknowledgment

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```

//*****
// HEADER FILE USED IN PROJECT
//*****
#include<conio.h>
#include<stdio.h>
#include<process.h>
#include<fstream.h>
//*****
// CLASS USED IN PROJECT
//*****
class ic
{
int ino;
char name[50];
char flavr[20];
char company[20];
float price,qty,tax,dis;
public:
void create()
{
cout<<"\nEnter The Item no: ";
cin>>ino;
cout<<"\n\nEnter The Name office-cream: ";
gets(name);
cout<<"\nEnter the flavour of ice-cream";
gets(flavr);
cout<<"\nEnter name of the company: ";
gets(company);
cout<<"\nEnter The Price : ";
cin>>price;
cout<<"\nEnter The Discount (%) :";
cin>>dis;
}
void show()
{
cout<<"\nThe Item no. : "<<ino;
cout<<"\nThe flavour of ice-cream:";
puts(flavr);
cout<<"\nThe Name of The ice-cream : ";
puts(name);
cout<<"\nThe name of the Company";
puts(company);
cout<<"\nThe Price : "<<price;
cout<<"\nDiscount : "<<dis;
}
int reteno()

```

```

{return ino;}
float retprice()
{return price;}
char* retname()
{return name;}
int retdis()
{return dis;}
}; //class ends here

//*****
// global declaration for stream object, object
//*****
fstream f;
ic l;
//*****
// function to write in file
//*****
void write()
{
f.open("Shop.dat",ios::out|ios::app);
l.create();
f.write((char*)&l,sizeof(l));
f.close();
cout<<"\n\nThe Record Has Been Created ";
getch();
}
//*****
// function to read all records from file
//*****
void display()
{
clrscr();
cout<<"\n\n\n\t\tDISPLAY ALL RECORD !!!\n\n";
f.open("Shop.dat",ios::in);
while(f.read((char*)&l,sizeof(l)))
{
l.show();
cout<<"\n\n===== \n";
getch();
}
f.close();
getch();
}
//*****
// function to read specific record from file
//*****
void display_sp(int n)

```

```

{
int flag=0;
f.open("Shop.dat",ios::in);
while(f.read((char*)&l,sizeof(l)))

if(l.reteno()==n)
{
clrscr();
l.show();
flag=1;
}
f.close();
if(flag==0)
cout<<"\n\nrecord not exist";
getch();
}
//*****
// function to modify record of file
//*****
void modify()
{
int no,found=0;
clrscr();
cout<<"\n\n\tTo Modify ";
cout<<"\n\n\tPlease Enter The Appliance No. ";
cin>>no;
f.open("Shop.dat",ios::in|ios::out);
while(f.read((char*)&l,sizeof(l)) && found==0)
{
if(l.reteno()==no)
{
l.show();
cout<<"\nPlease Enter The New Details "<<endl;
l.create();
int pos=-1*sizeof(l);
f.seekp(pos,ios::cur);
f.write((char*)&l,sizeof(l));
cout<<"\n\n\t Record Updated";
found=1;
}
}
f.close();
if(found==0)
cout<<"\n\n Record Not Found ";
getch();
}
//*****

```

```

// function to delete record of file
//*****
void delet()
{
int no;
clrscr();
cout<<"\n\n\n\tDelete Record";
cout<<"\n\nPlease Enter The Item no. You Want To Delete";
cin>>no;
f.open("Shop.dat",ios::in|ios::out);
fstream f2;
f2.open("Temp.dat",ios::out);
f.seekg(0,ios::beg);
while(f.read((char*)&l,sizeof(l)))
{
if(l.reteno()!=no)
{
f2.write((char*)&l,sizeof(l));
}
}
f2.close();
f.close();
remove("Shop.dat");
rename("Temp.dat","Shop.dat");
cout<<"\n\n\tRecord Deleted ..";
getch();
}
//*****
// function to display price list
//*****
void menu()
{
clrscr();
f.open("Shop.dat",ios::in);
if(!f)
{
cout<<"ERROR!!! FILE COULD NOT BE OPEN\n\n\n Go To Admin Menu to create File";
cout<<"\n\n\n Program is closing ....";
getch();
exit(0);
}
cout<<"\n\n\t\tMENU\n\n";
cout<<"=====\n";
cout<<"S.NO.\t\tNAME\t\tPRICE\n";
cout<<"=====\n";
while(f.read((char*)&l,sizeof(l)))
{

```

```

cout<<l.reteno()<<"\t\t"<<l.retname()<<"\t\t"<<l.retprice()<<endl;
}
f.close();
}

//*****
// function to place order and generating bill for appliances
//*****
void place_order()
{
int order_arr[50],quan[50],c=0;
float amt,damt,total=0;
char ch='Y';
menu();
cout<<"\n===== ";
cout<<"\n PLACE YOUR ORDER";
cout<<"\n===== \n";
do{
cout<<"\n\nEnter The Item no.: ";
cin>>order_arr[c];
cout<<"\nQuantity in number : ";
cin>>quan[c];
c++;
cout<<"\nDo You Want To Order More ? (y/n)";
cin>>ch;
}while(ch=='y' || ch=='Y');
cout<<"\n\nThank You For Placing The Order \nHAVE A NICE DAY ";getch();clrscr();
cout<<"\n\n*****INVOICE*****\n";
cout<<"\nS.No.\t Name\tQuantity \tPrice \tAmount \tAmount after discount\n";
for(int x=0;x<=c;x++)
{
f.open("Shop.dat",ios::in);
f.read((char*)&l,sizeof(l));
while(!f.eof())
{
if(l.reteno()==order_arr[x])
{
amt=l.retprice()*quan[x];
damt=amt-(amt*l.retdis()/100);
cout<<"\n"<<order_arr[x]<<"\t"<<l.retname()
<<"\t"<<quan[x]<<"\t\t"<<l.retprice()<<"\t"<<amt<<"\t\t"<<damt;
total+=damt;
}
f.read((char*)&l,sizeof(l));
}
f.close();
}
}

```

```

cout<<"\n\n\t\t\t\t\tTOTAL = "<<total;
getch();
}
//*****
// INTRODUCTION FUNCTION
//*****
void intro()
{
clrscr();
gotoxy(31,11);
cout<<"*****ICE-CREAM CORNER*****";
gotoxy(35,14);
cout<<"BILLING";
gotoxy(35,17);
cout<<"PROJECT";
cout<<"\n\nMADE BY : PRATYAKSHA POKHRIYAL";
cout<<"\n\nSCHOOL : Army Public SCHOOL";
getch();
}

//*****
// ADMINSTRATOR MENU FUNCTION
//*****
void admin_menu()
{
clrscr();
char ch2;
cout<<"\n\n\n\tADMIN MENU";
cout<<"\n\n\t1.CREATE RECORD";
cout<<"\n\n\t2.DISPLAY ALL RECORDS";
cout<<"\n\n\t3.QUERY ";
cout<<"\n\n\t4.MODIFY RECORD";
cout<<"\n\n\t5.DELETE RECORD";
cout<<"\n\n\t6.VIEW MENU";
cout<<"\n\n\t7.BACK TO MAIN MENU";
cout<<"\n\n\tPlease Enter Your Choice (1-7) ";
ch2=getche();
switch(ch2)
{
case '1': clrscr();
write();
break;
case '2': display();break;
case '3':
int num;
clrscr();
cout<<"\n\n\tPlease Enter The Item no. ";

```



```

cin>>num;
display_sp(num);
break;
case '4': modify();break;
case '5': delet();break;
case '6': menu();
getch();
case '7': break;
default:cout<<"\a";admin_menu();
}
}
//*****
// THE MAIN FUNCTION OF PROGRAM
//*****
void main()
{
char ch;
intro();
do
{
clrscr();
cout<<"\n\n\n\tMAIN MENU";
cout<<"\n\n\t01. CUSTOMER";
cout<<"\n\n\t02. ADMINISTRATOR";
cout<<"\n\n\t03. EXIT";
cout<<"\n\n\tPlease Select Your Option (1-3) ";
ch=getche();
switch(ch)
{
case '1': clrscr();
place_order();
getch();
break;
case '2': admin_menu();
break;
case '3':exit(0);
default :cout<<"\a";
}
}while(ch!='3');
}
//*****
// END OF PROJECT

```

OUTPUT

*****ICE-CREAM CORNER*****

BILLING

PROJECT

MADE BY : PRATYAKSHA POKHRIYAL

SCHOOL : Army Public SCHOOL

MAIN MENU

01. CUSTOMER

02. ADMINISTRATOR

03. EXIT

Please Select Your Option (1-3) 2

ADMIN MENU

1.CREATE RECORD

2.DISPLAY ALL RECORDS

3.QUERY

4.MODIFY RECORD

5.DELETE RECORD

6.VIEW MENU

7.BACK TO MAIN MENU

Please Enter Your Choice (1-7) 1

Enter The Item no: 12

Enter The Name of ice-cream: cassata

Enter the flavour of ice-cream chocolate

Enter name of the company: mother dairy

Enter The Price : 50

Enter The Discount (%) :1

The Record Has Been Created

MAIN MENU

01. CUSTOMER

02. ADMINISTRATOR

03. EXIT

Please Select Your Option (1-3) 2

ADMIN MENU

1.CREATE RECORD

2.DISPLAY ALL RECORDS

3.QUERY

4.MODIFY RECORD

5.DELETE RECORD

6.VIEW MENU

7.BACK TO MAIN MENU

Please Enter Your Choice (1-7) 2

DISPLAY ALL RECORD !!!

The Item no. : 11

The flavour of ice-cream:strawberry

The Name of The ice-cream : vanilla

The name of the Companyquality

The Price : 200

Discount : 2

=====

The Item no. : 0

The flavour of ice-cream:

The Name of The ice-cream :

The name of the Company

The Price : 2

Discount : 1.069252e-38

=====

The Item no. : 0

The flavour of ice-cream:rgent

The Name of The ice-cream :

The name of the Company

The Price : 0

Discount : 0

=====

The Item no. : 12

The flavour of ice-cream:chocolate

The Name of The ice-cream : cassata

The name of the Companyquality

The Price : 50

Discount : 1

=====

MAIN MENU

01. CUSTOMER

02. ADMINISTRATOR

03. EXIT

Please Select Your Option (1-3) 2

ADMIN MENU

1.CREATE RECORD

2.DISPLAY ALL RECORDS

3.QUERY

4.MODIFY RECORD

5.DELETE RECORD

6.VIEW MENU

7.BACK TO MAIN MENU

Please Enter Your Choice (1-7) 5

Delete Record

Please Enter The Item no. You Want To Delete0

Record Deleted

MAIN MENU

01. CUSTOMER

02. ADMINISTRATOR

03. EXIT

Please Select Your Option (1-3) 2

ADMIN MENU

1.CREATE RECORD

2.DISPLAY ALL RECORDS

3.QUERY

4.MODIFY RECORD

5.DELETE RECORD

6.VIEW MENU

7.BACK TO MAIN MENU

Please Enter Your Choice (1-7) 2

The Item no. : 11

The flavour of ice-cream:strawberry

The Name of The ice-cream : vanilla

The name of the Companyquality

The Price : 200

Discount : 2

=====

The Item no. : 12

The flavour of ice-cream:chocolate

The Name of The ice-cream : cassata

The name of the Companyquality

The Price : 50

Discount : 1

=====

MAIN MENU

01. CUSTOMER

02. ADMINISTRATOR

03. EXIT

Please Select Your Option (1-3) 2

ADMIN MENU

1.CREATE RECORD

2.DISPLAY ALL RECORDS

3.QUERY

4.MODIFY RECORD

5.DELETE RECORD

6.VIEW MENU

7.BACK TO MAIN MENU

Please Enter Your Choice (1-7) 6

MENU

```
=====
```

S.NO.	NAME	PRICE
11	vanilla	200
12	cassata	50

```
=====
```


MAIN MENU

01. CUSTOMER

02. ADMINISTRATOR

03. EXIT

Please Select Your Option (1-3) 2

ADMIN MENU

1.CREATE RECORD

2.DISPLAY ALL RECORDS

3.QUERY

4.MODIFY RECORD

5.DELETE RECORD

6.VIEW MENU

7.BACK TO MAIN MENU

Please Enter Your Choice (1-7) 4

To Modify

Please Enter The Appliance No. 11

The Item no. : 11

The flavour of ice-cream:strawberry

The Name of The ice-cream : vanilla

The name of the Companyquality

The Price : 200

Discount : 2

Please Enter The New Details

Enter The Item no: 11

Enter The Name of ice-cream: Rasberry

Enter the flavour of ice-cream strawberry

Enter name of the company: quality

Enter The Price : 100

Enter The Discount (%) :2

Record Updated

MAIN MENU

01. CUSTOMER

02. ADMINISTRATOR

03. EXIT

Please Select Your Option (1-3) 1

MENU

```
=====
S.NO.    NAME      PRICE
=====
11       Raspberry  100
12       cassata   50
```

```
=====
PLACE YOUR ORDER
=====
```

Enter The Item no.: 12

MENU

```
=====
S.NO.    NAME      PRICE
=====
11       Raspberry  100
12       cassata   50
```

```
=====
PLACE YOUR ORDER
=====
```

Enter The Item no.: 12

Quantity in number : 2

Do You Want To Order More ? (y/n)n

Thank You For Placing The Order
HAVE A NICE DAY

*****INVOICE*****

S.No.	Name	Quantity	Price	Amount	Amount after discount
-------	------	----------	-------	--------	-----------------------

12	cassata 2	50	100		99
----	-----------	----	-----	--	----

TOTAL = 99

MAIN MENU

01. CUSTOMER

02. ADMINISTRATOR

03. EXIT

Please Select Your Option (1-3) 3