

# COMPUTER SCIENCE PROJECT ON C++:

## ELECTRICITY BILL 2018-2019.

SUBMITTED BY:

**R. ABISHEK BHAT**

**XII-A.**

**SRI VAGEESHA VIDHYASHRAM**

# CONTENTS

1. ACKNOWLEDGEMENT
2. DESCRIPTION
3. SOURCE CODE
4. SAMPLE CODE
5. FUTURE ENHANCEMENTS
6. CONCLUSION
7. BIBLIOGRAPHY

## ACKNOWLEDGEMENT

It gives me immense pleasure to present the project on c++ . It would not have been possible without the kind support of my

teacher in charge, Mrs.Ramya , under whose guidance and constant supervision the project was brought to the present state.

I would also like to express my gratitude towards my parents for their kind co-operation and encouragement which helped me in the completion of this project.

I am also thankful to the C.B.S.E for giving such a amazing opportunity and giving suitable instructions and guidelines for the project.

Last but not the least , I thank my friends who shared necessary information for preparing my project.

## DESCRIPTION

The main objective of the project ELECTRICITY BILL is to provide the complete idea about the electricity bill . A host of services such as create a service number , print a bill , search , modify and to delete a service number are provided . In order to create a service

number , the consumer has to provide his personal details . In the option of display all the information of the consumer is obtained in search option . In modify option , a consumer can modify the details given . In the delete option , record of a particular consumer is deleted from database .

## Source code

```
#include<iostream.h>
```

```
#include<conio.h>
```

```
#include<fstream.h>
```

```
#include<string.h>
```

```
#include<stdio.h>
```

```
#include<process.h>
```

```
int choice;
```

```
char username[50];
```

```
char password[20];
```

```
char qw[20];
```

```
class ebtariff
```

```
{
```

```
private:
```

```
int sertype;
```

```
int currentreading;
```

```
int lastreading;
```

```
char name[20];
```

```
char phoneno[20];
```

```
char streetname[200];
```

```
float doorno;
```

```
int power;
```

```
char aadharno[12];
```

```
char areaname[100];
```

```
char cityname[200];
```

```
char email_id[50];
```

```
public:
```

```
float serviceno;
```

```
int newreading;
```

```
int newreading2;
```

```
unsigned long cost;
```

```
void mainmenu();
```

```
void getdata();
```

```
void getchoice();  
void info();  
void ser();  
void display1();  
void choiceone();  
void choicetwo();  
void choicethree();  
void choicefour();  
void choicefive();  
void choicesix();  
void modify();  
}bill;
```

```
void ebtariff::mainmenu()
```

```
{  
clrscr();  
for(int d=0;d<=79;d++)  
cout<<"-";  
cout<<"\n\t\t\t\t\t!!!! HOME PAGE  
!!!!\n";  
for(int f=0;f<=79;f++)  
cout<<"-";  
cout<<"\n\n\n\n\t\t\t\t\t1.TO PRINT  
BILL";  
cout<<"\n\t\t\t\t\t2.TO CREATE A  
SERVICE";  
cout<<"\n\t\t\t\t\t3.TO SEARCH A  
SERVICE";
```



```
cout<<"\n\t\t\t\t4.DELETE A SERVICE  
NUMBER";
```

```
cout<<"\n\t\t\t\t5.TO MODIFY A  
SERVICE";
```

```
cout<<"\n\t\t\t\t6.EXIT";
```

```
cout<<"\nENTER YOUR CHOICE  
[1(or)2(or)3(or)4(or)5(or)6]:";
```

```
}
```

```
void ebtariff::getdata()
```

```
{
```

```
cout<<"\n1.ENTER THE NAME OF THE  
CONUSMER:";
```

```
gets(name);
```

```
cout<<"\n2. ENTER AADHAR  
NUMBER:";  
  
for(int o=0;o<12;o++)  
  
cin>>aadharno[o];  
  
cout<<"\n3. ENTER YOUR EMAIL ID:";  
gets(email_id);  
  
cout<<"\n4. ENTER ADDRESS:";  
  
cout<<"\n\t\t\t 4.1 DOOR NUMBER:";  
cin>>doorno;  
  
cout<<"\n\t\t\t 4.2 NAME OF THE  
STREET:";  
  
gets(streetname);  
  
cout<<"\n\t\t\t 4.3 NAME OF THE  
AREA:";  
  
gets(areaname);
```

```
cout<<"\n\t\t\t 4.4 DISTRICT NAME:";
gets(cityname);

cout<<"\n\t\t\t 5.PHONE NUMBER:";
gets(phoneno);

cout<<"\n\t\t\t 6.SERVICE NUMBER:";
cin>>serviceno;

cout<<"\n7.TARIFF TYPE:";

cout<<"1.COMMERCIAL\t2.INDUSTRIAL
\t3.DOMESTIC:";

cout<<"\nENTER YOU OPTIONS
[1(or)2(or)3]:";

cin>>sertype;

lastreading=0;

}
```

```
void ebtariff::ser()
{
    switch(sertype)
    {
        case 1:
            cout<<"\n  COST PER UNIT ENERGY IS
            Rs7.\n";
            cost=power*7;
            break;

        case 2:
            cout<<"\n  COST PER UNIT ENERGY IS
            Rs 5.\n";
            cost=power*5;
```

```
break;
```

```
case 3:
```

```
cout<<"\n  COST PER UNIT ENERGY IS  
Rs 3.\n";
```

```
cost=power*3;
```

```
break;
```

```
}
```

```
}
```

```
void ebtariff::info()
```

```
{
```

```
cout<<"\n1.NAME:"<<name;
```

```
cout<<"\n2.SERVICE  
NUMBER:"<<serviceno;
```

```
cout<<"\n3.AADHAR NUMBER:";
for(int t=0;t<12;t++)
cout<<aadharno[t];
cout<<"\n4.EMAIL ID:"<<email_id;
cout<<"\n5.PHONE
NUMBER:"<<phoneno;
cout<<"\n6.ADDRESS:\n\t\t\t";
cout<<"6.1 DOOR NUMBER:"<<doorno;
cout<<"\n\t\t\t6.2 NAME OF THE
STREET:"<<streetname;
cout<<"\n\t\t\t6.3 NAME OF THE
AREA:"<<areaname;
cout<<"\n\t\t\t6.4 DISTRICT
NAME:"<<cityname;
}
```

```
void ebtariff::choicene()
{
    ifstream fillin;
    clrscr();
    fillin.open("service.txt",ios::binary|ios::
in);
    clrscr();
    for(int q=0;q<=79;q++)
        cout<<"-";

        cout<<"\n\t\t \t!!!!!! ELECTRICITY BILL
        !!!!!\n";
    for(int r=0;r<=79;r++)
```

```
cout<<"-";  
cout<<"\n\n\t \t";  
bill.choicefive();  
clrscr();  
for(int q1=0;q1<=79;q1++)  
cout<<"-";  
cout<<"\n\t\t \t!!!!!! ELECTRICITY BILL  
!!!!!!\n";  
for(int q2=0;q2<=79;q2++)  
cout<<"-";  
bill.info();  
cout<<"\n7.LAST  
READING:"<<lastreading;  
cout<<"\n8.CURRENT  
READING:"<<currentreading;
```



```
cout<<"\n";

for(int y=0;y<=35;y++)

cout<<"*";

bill.ser();

for(int u=0;u<=35;u++)

cout<<"*";

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

cout<<"\n\t\t\t\tTOTAL COST : "<<cost;

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

getch();

}
```

```
void ebtariff::choicefive()
{
    char aaa;
    fstream filline;
    filline.open("service.txt",ios::in | ios::out
    | ios::binary);
    char found='f';
    int searched,pos;
    char lk;
    do{
        cout<<"\n\t\tENTER THE SERVICE
        NUMBER TO BE BILLED: :";
        cin>>searched;
        while(!filline.eof())
```

```
{  
  
pos=filline.tellg();  
filline.read((char*)&bill,sizeof(bill));  
if(bill.serviceno==searched)  
{  
  
bill.info();  
  
bill.lastreading=bill.currentreading;  
cout<<"\nLAST  
READING:"<<bill.lastreading;  
  
cout<<"\nENTER THE CURRENT  
READING:";  
  
cin>>currentreading;  
  
if(currentreading<bill.lastreading)  
{
```

```
cout<<"NEW READING MUST BE  
GREATER THAN THE OLD (OR)  
PREVIOUS READING::PLEASE  
CONTINUE FROM FIRST...PRESS 'y' TO  
PROCEED:";
```

```
cin>>lk;
```

```
if(lk=='y')
```

```
choicene();
```

```
break;
```

```
}
```

```
else
```

```
power=currentreading-bill.lastreading;
```

```
bill.ser();
```

```
filline.seekg(pos);
```

```
filline.write((char*)&bill,sizeof(bill));
```

```
found = 't';  
break;  
}  
}  
if(found=='f')  
{  
  
cout<<"ERROR.... SERVICE NUMBER IS  
NOT FOUND...";  
  
cout<<"\nDO YOU WANT TO TRY  
AGAIN???...:ENTER 'Y' TO TRY  
AGAIN...";  
  
cin>>aaa;  
  
}  
  
}while(aaa=='y');  
filline.seekg(0);
```

```
clrscr();  
while(filline.read((char*)&bill,sizeof(bill  
)))  
bill.info();  
filline.close();  
}
```

```
void ebtariff::getchoice()  
{  
char yo;  
do{  
mainmenu();  
cin>>choice;
```

```
switch(choice)
{
case 1:  choiceone();
        break;
case 2:  choicetwo();
        break;
case 3:  choicethree();
        break;
case 4:  choicefour();
        break;
case 5:  modify();
        break;
case 6: choicesix();
        getch();
}
```

```
break;
```

```
default:cout<<"\n OPTION ENTER DOES  
NOT MATCH....DO YOU WANT TO TRY  
AGAIN....PRESS 'y' TO RETRY...:";
```

```
cin>>yo;
```

```
}
```

```
}while(yo=='y');
```

```
}
```

```
void ebtariff::choicetwo()
```

```
{
```

```
ofstream file;
```

```
char cont;
```

```
file.open("service.txt",ios::binary|ios::a  
pp);
```



```
clrscr();  
for(int q=0;q<=79;q++)  
cout<<"-";  
cout<<"\t\t \t!!!! APPLICATION FORM  
!!!!\n";  
for(int r=0;r<=79;r++)  
cout<<"-";  
bill.getdata();  
file.write((char*)&bill,sizeof(bill));  
cout<<"\n\t\t\t\t\t!!!!!!THANK YOU!!!!!!";  
file.close();  
}
```

```
void ebtariff::choicethree()
{
    clrscr();
    long pos;
    char cj;
    char foun='y';
    ifstream fin3;
    int searched;
    do{
        fin3.open("service.txt",ios::binary|ios::i
n);
        clrscr();
        for(int q=0;q<=79;q++)
            cout<<"-";
```

```
cout<<"\n\t\t \t!!!! SEARCH
ENGINE..... !!!!!\n";

for(int r=0;r<=79;r++)

cout<<"-";

cout<<"\n\n\t\t*ENTER THE SERVICE
NUMBER TO VIEW DETAILS:";

cin>>searched;

while(fin3.read((char*)&bill,sizeof(bill))
)

{

if(serviceno==searched)

{

clrscr();

for(int q=0;q<=79;q++)

cout<<"-";
```

```
cout<<"\n\t\t \t!!!! SEARCH
ENGINE..... !!!!!\n";

for(int r=0;r<=79;r++)

cout<<"-";

cout<<"THE SERVICE NUMBER
"<<serviceno<<" CONTAINS :\n";

bill.info();

cout<<"\nLAST
READING:"<<lastreading;

bill.ser();

foun='n';

break;

}

}

if(foun=='y')
```

```
cout<<"\n...THIS SERVICE NUMBER  
DOES NOT EXIT....";  
  
fin3.close();  
  
cout<<"\n\nDO YOU WANT TO SEARCH  
MORE:";  
  
cin>>cj;  
  
}while(cj=='y');  
  
cout<<"\n\t\t\t\t\t!!!!THANK YOU!!!!";  
  
getch();  
  
}
```

```
void ebtariff::choicefour()  
{
```

```
ifstream fio1;

ofstream file2;

int check;

char ques;

char aym;

char confirm;

char found1='y';

clrscr();

fio1.open("service.txt",ios::binary|ios::i
n);

file2.open("temp.txt",ios::binary|ios::o
ut|ios::app);

clrscr();

for(int q=0;q<=79;q++)
```

```
cout<<"-";  
  
cout<<"\t\t\t!!!! DELETION !!!!!\n";  
  
for(int r=0;r<=79;r++)  
  
cout<<"-";  
  
cout<<"\n\n\t**ENTER SERVICE  
NUMBER:";  
  
cin>>check;  
  
while(fio1.read((char*)&bill,sizeof(bill))  
)  
{  
  
if(bill.serviceno!=check)  
  
file2.write((char*)&bill,sizeof(bill));  
  
else  
  
{
```

```
bill.info();

cout<<"\n IS THE INFORMATION
CORRECT???..PRESS ANY KEY TO
PROCCED..";

getch();

remove("service.txt");

rename("temp.txt","service.txt");

found1='n';

cout<<"\n****DELETED
SUCESSFULLY.....*****\n\n";

}

fio1.close();

file2.close();

if(found1=='y')

{
```



```
cout<<"RECORD NOT FOUND....";  
  
cout<<"DO YOU WANT TO TRY  
AGAIN...PRESS 'y' TO RETRY..";  
  
cin>>aym;  
  
}  
  
}while(aym=='y');  
  
}
```

```
void ebtariff:: modify()  
{  
  
clrscr();  
  
int sea;  
  
float doorno1;
```

```
int gt;  
char streetname1[20];  
char areaname1[20];  
char aadharno1[12];  
char cityname1[20];  
char phoneno1[20];  
int sertype1;  
char rj;  
char email_id1[50];  
char newname[20];  
long pos1;  
fstream fine;  
fine.open("service.txt",ios::in | ios::out | i  
os::binary);
```

```
clrscr();  
for(int q=0;q<=79;q++)  
cout<<"-";  
  
cout<<"\n\t\t \t!!!!!! MODIFICATION  
!!!!!!\n";  
  
for(int r=0;r<=79;r++)  
cout<<"-";  
  
  
cout<<"\n\n\n\t\tENTER THE SERVICE  
NUMBER TO BE MODIFIED:";  
  
cin>>sea;  
  
while(fine.read((char*)&bill,sizeof(bill))  
)  
{  
  
pos1=fine.tellg();
```

```
{  
if(serviceno==sea)  
bill.info();  
  
cout<<"\nOPTIONS TO MODIFY:";  
  
cout<<"\n\t\t\t1.NAME\n\t\t\t2.ADDR  
ESS\n\t\t\t3.PHONE NUMBER";  
  
cout<<"\n\t\t\t4.TARIFF\n\t\t\t5.AADH  
AR NUMBER\n\t\t\t6.EMAIL ID";  
  
cout<<"\n\t\t\tENTER YOUR CHOICE  
TO BE MODIFIED:";  
  
cin>>gt;  
  
clrscr();  
  
for(int q=0;q<=79;q++)  
cout<<"-";
```

```
cout<<"\n\t\t \t!!!! MODIFICATION  
!!!!\n";
```

```
for(int r=0;r<=79;r++)
```

```
cout<<"-";
```

```
cout<<"\n\n\t";
```

```
do{
```

```
switch(gt)
```

```
{
```

```
case 1:
```

```
cout<<"ENTER NEW NAME:";
```

```
gets(newname);
```

```
strcpy(name,newname);
```

```
break;
```

case 2:

```
cout<<"ENTER THE NEW ADDRESS:";
```

```
cout<<"\n\t\t\tDOORNO:";
```

```
cin>>doorno1;
```

```
doorno=doorno1;
```

```
cout<<"\n\t\t\t NAME OF THE  
STREET:";
```

```
gets(streetname1);
```

```
strcpy(streetname,streetname1);
```

```
cout<<"\n\t\t\t NAME OF THE AREA:";
```

```
gets(areaname1);
```

```
strcpy(areaname,areaname1);
```

```
cout<<"\n\t\t\t DISTRICT NAME:";
```

```
gets(cityname1);
```

```
strcpy(cityname,cityname1);
```

```
break;
```

```
case 3:
```

```
cout<<"\n\t\t\tENTER THE NEW  
PHONE NUMBER:";
```

```
gets(phoneno1);
```

```
strcpy(phoneno,phoneno1);
```

```
break;
```

```
case 4:
```

```
cout<<"TYPES OF TRAFFIC:";
```

```
cout<<"1.COMMERCIAL\n2.DOMESTIC\n3.INDUSTRIAL";
```

```
cout<<"\nENTER THE TYPE OF THE  
TARIFF...[1(or)2(or)3(or)]:";
```

```
cin>>sertype1;
```

```
sertype=sertype1;
```

```
break;
```

```
case 5:
```

```
cout<<"ENTER THE NEW AADHAR  
CARD NUMBER:";
```

```
for(int y=0;y<12;y++)
```

```
{
```

```
cin>>aadharno1[y];
```

```
aadharno[y]=aadharno1[y];
```

```
}
```



```
break;
```

```
case 6:
```

```
cout<<"ENTER THE NEW EMAIL ID:";
```

```
gets(email_id1);
```

```
strcpy(email_id,email_id1);
```

```
break;
```

```
default:cout<<"THE OPTION YOU HAVE  
ENTER IS INVALID....";
```

```
cout<<"DO YOU WANT TO TRY  
AGAIN??... ENTER 'y' TO PROCEED:";
```

```
cin>>rj;
```

```
}
```

```
}while(rj=='y');  
  
fine.seekg(pos1-sizeof(bill));  
  
fine.write((char*)&bill,sizeof(bill));  
  
}  
  
}  
  
}
```

```
void ebtariff::choicesix()  
{  
  
clrscr();  
  
for(int q=0;q<=79;q++)  
  
cout<<"-";  
  
cout<<"\n\t\t \t!!!!!! ELECTRICITY  
BOARD !!!!!\n";
```

```
for(int r=0;r<=79;r++)  
  
cout<<"-";  
  
cout<<"\n\n\t\t";  
  
cout<<"EXIT...!!";  
  
cout<<"\n\n\t\tDO YOU WANT TO  
EXIT:";  
  
char a;  
  
cin>>a;  
  
if(a=='y')  
{  
  
cout<<"FOR FURTUR ENQUIRIES...  
CONTACT:\n\t\t*PHONE  
NUMBER:1912\n\t\t*EMAIL  
ID:electricitysave@gamil.com";
```

```
cout<<"\n\n\n\t\t -SHIFT TO
RENEWABLE ENERGY..FOR BRIGHT
FUTURE..";

getch();

cout<<"\\n\n\n\n\n\t\t\t\t\t!!!!!!!THA
NK YOU!!!!!!!";

exit(0);

}

else

getchoice();

getch();

}

int main()

{
```

```
char ccv;

char ch;

do{

clrscr();

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

for(int i=0;i<=79;i++)

cout<<"-";


cout<<"\n\t\t\t SRI VAGEESHA  
VIDHYASHRAM\n";

for(int j=0;j<=79;j++)

cout<<"-";


cout<<"\n\n\n\t\t\t\t\t\t\tDONE  
BY:\n\t\t\t\t\t\t\tABISHEK  
BHAT.R\n\t\t\t\t";

system("pause");
```

```
clrscr();

for(int q=0;q<=79;q++)

cout<<"-";

cout<<"\n\t\t \t!!!!!! ELECTRICITY
BOARD !!!!!\n";

for(int r=0;r<=79;r++)

cout<<"-";

cout<<"\n\n\n\n\n\t\t\tUSERNAME:";

gets(username);

cout<<"\n\t\t\tPASSWORD:";

gets(password);


if(strcmp(username,"collectorofbill")==
0&&(strcmp(password,"qwer1234")==
0))
```

```
{  
do  
{  
    bill.getchoice();  
  
    cout<<"\n\t\tDO YOU WANT TO  
RETURN TO HOME PAGE..PRESS 'y' TO  
RETURN...:";  
  
    cin>>ch;  
  
}while(ch=='y');  
  
clrscr();  
  
cout<<"\n\t\t\tFOR FURTUR  
ENQUIRIES...  
CONTACT:\n\t\t\t*PHONE  
NUMBER:1912\n\t\t\t*EMAIL  
ID:electricitysave@gamil.com";
```

```
    cout<<"\n\t\t -RENEWABLE ENERGY  
MAKES WORLD LESS CARBON FOOT  
PRINT...";  
  
}
```

```
if(strcmp(username,"collectorofbill")!=  
0 || (strcmp(password,"qwer1234")!=0)  
)  
{  
    cout<<"WRONG PASSWORD\n";  
    cout<<"DO YOU WANT TO TRY  
AGAIN:";  
    cin>>ccv;  
}  
  
}while(ccv=='y');
```



```
getch();  
return 0;  
}
```

## SAMPLE OUTPUTS

-----  
SRI VAGEESHA VIDHYASHRAM  
-----

DONE BY:  
ABISHEK BHAT.R

Press any key to continue.

-

-----  
!!!!! ELECTRICITY BOARD !!!!!  
-----

USERNAME:collectorofbill

PASSWORD:qwer1234

-----  
!!!!! ELECTRICITY BOARD !!!!!  
-----

USERNAME:collectorofbill

PASSWORD:qwer1234

-----  
!!!!! APPLICATION FORM !!!!!  
-----

1. ENTER THE NAME OF THE CONSUMER: lakshmi bhat.r

2. ENTER AADHAR NUMBER: 123456789012

3. ENTER YOUR EMAIL ID: lakshmi252@gmail.com

4. ENTER ADDRESS:

4.1 DOOR NUMBER: 100

4.2 NAME OF THE STREET: bharathidasan salai

4.3 NAME OF THE AREA: cantonment

4.4 DISTRICT NAME: trichy

5. PHONE NUMBER: 9994504204

6. SERVICE NUMBER: 1

7. TARIFF TYPE: 1. COMMERCIAL      2. INDUSTRIAL      3. DOMESTIC:  
ENTER YOUR OPTIONS [1(or)2(or)3]: 2\_

-----  
!!!! HOME PAGE !!!!!  
-----

- 1.TO PRINT BILL
- 2.TO CREATE A SERVICE
- 3.TO SEARCH A SERVICE
- 4.DELETE A SERVICE NUMBER
- 5.TO MODIFY A SERVICE
- 6.EXIT

ENTER YOUR CHOICE [1(or)2(or)3(or)4(or)5(or)6]:1

!!!!!! ELECTRICITY BILL !!!!!

ENTER THE SERVICE NUMBER TO BE BILLED: :1

1.NAME:lakshmi bhat.r

2.SERVICE NUMBER:1

3.AADHAR NUMBER:123456789012

4.EMAIL ID:lakshmi252@gmail.com

5.PHONE NUMBER:9994504204

6.ADDRESS:

6.1 DOOR NUMBER:100

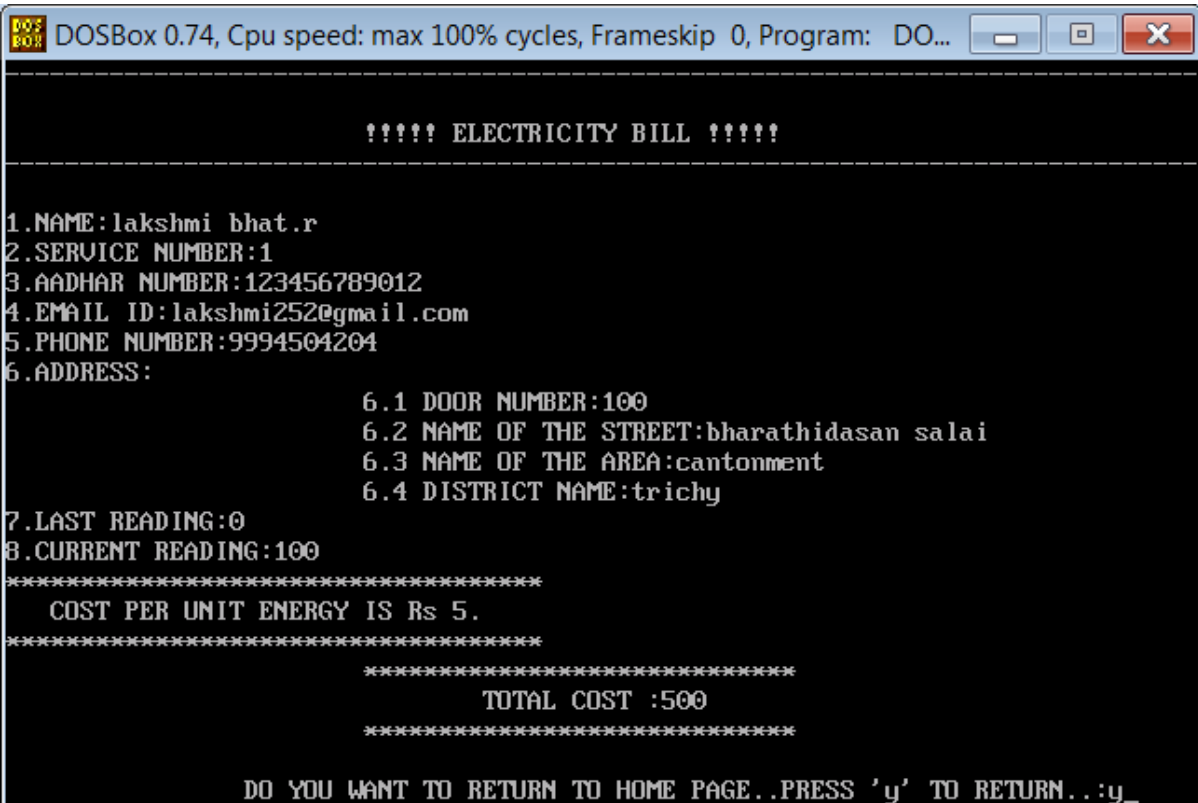
6.2 NAME OF THE STREET:bharathidasan salai

6.3 NAME OF THE AREA:cantonment

6.4 DISTRICT NAME:trichy

LAST READING:0

ENTER THE CURRENT READING:100\_



DOSBox 0.74, Cpu speed: max 100% cycles, Frameskip 0, Program: DO...

!!!!!! ELECTRICITY BILL !!!!!

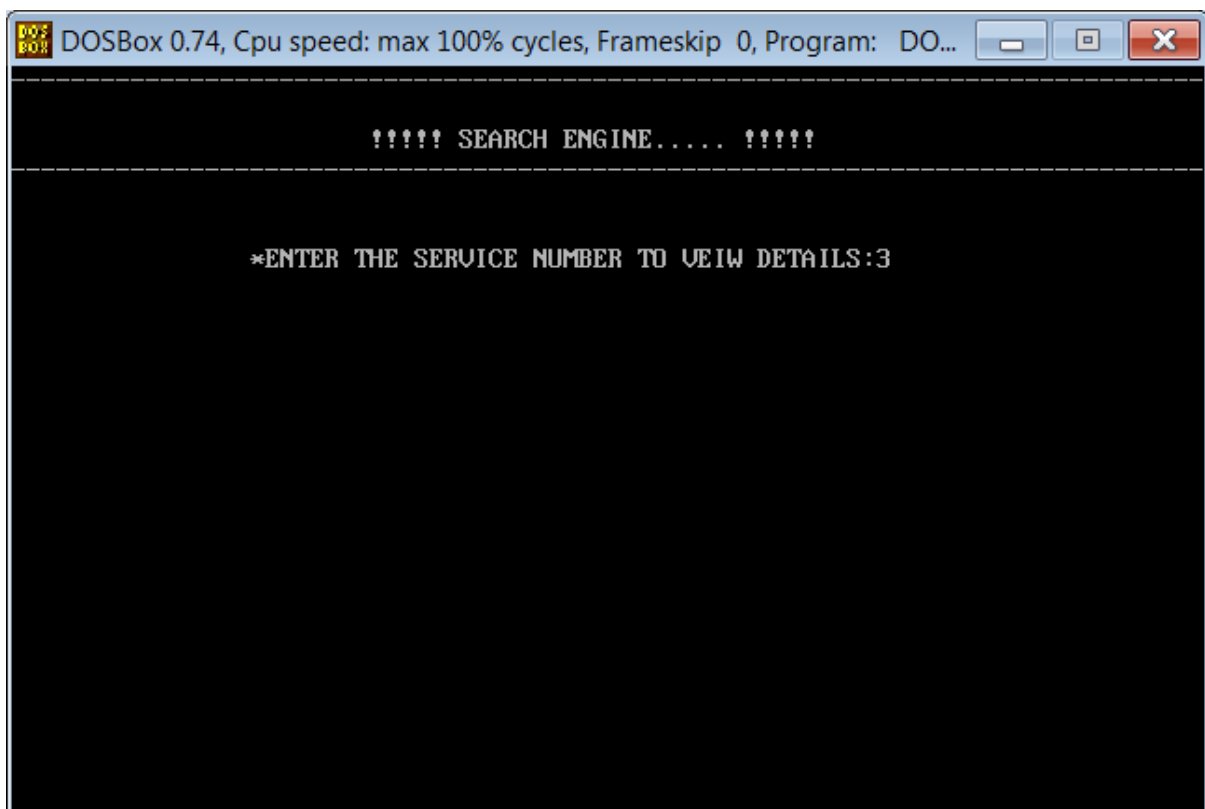
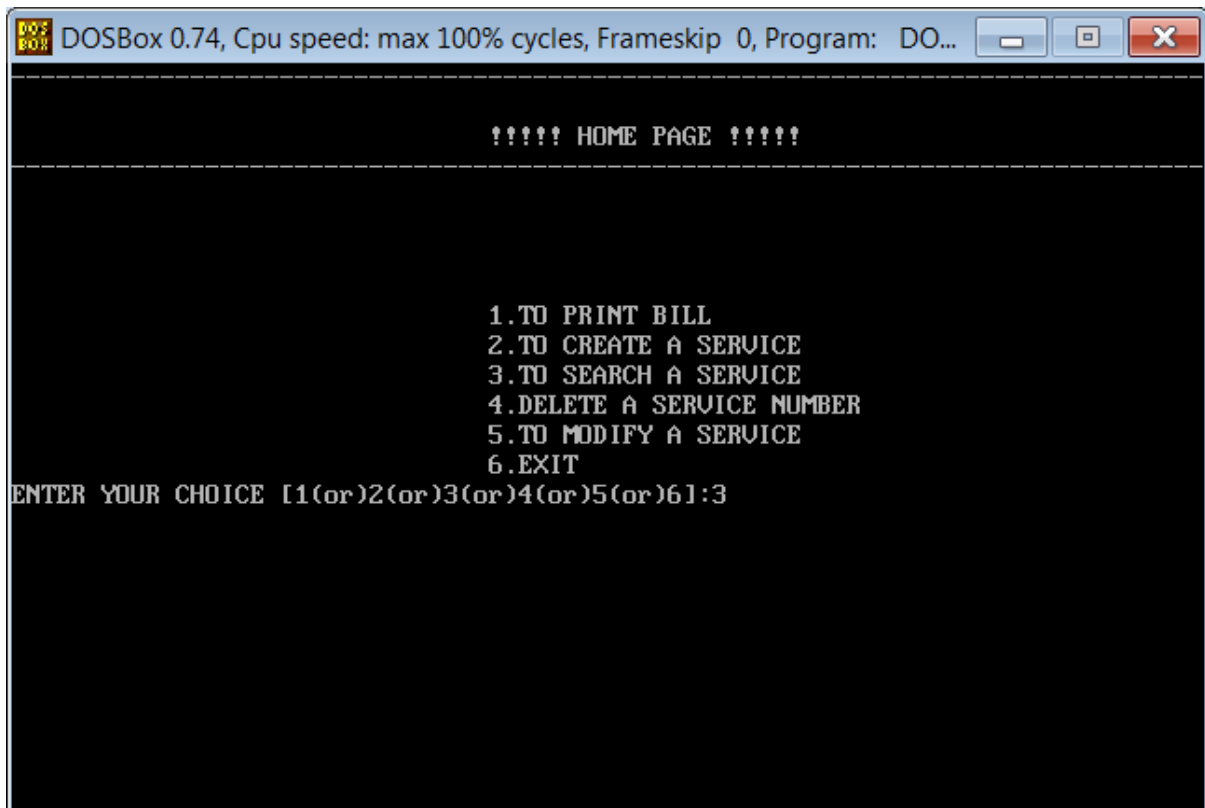
1.NAME:lakshmi bhat.r  
2.SERVICE NUMBER:1  
3.AADHAR NUMBER:123456789012  
4.EMAIL ID:lakshmi252@gmail.com  
5.PHONE NUMBER:9994504204  
6.ADDRESS:  
6.1 DOOR NUMBER:100  
6.2 NAME OF THE STREET:bharathidasan salai  
6.3 NAME OF THE AREA:cantonment  
6.4 DISTRICT NAME:trichy

7.LAST READING:0  
8.CURRENT READING:100

\*\*\*\*\*  
COST PER UNIT ENERGY IS Rs 5.  
\*\*\*\*\*

\*\*\*\*\*  
TOTAL COST :500  
\*\*\*\*\*

DO YOU WANT TO RETURN TO HOME PAGE..PRESS 'y' TO RETURN.:y\_



```
DOSBox 0.74, Cpu speed: max 100% cycles, Frameskip 0, Program: DO...
!!!! SEARCH ENGINE..... !!!!!

-----
THE SERVICE NUMBER 1 CONTAINS :

1.NAME:lakshmi bhat.r
2.SERVICE NUMBER:1
3.AADHAR NUMBER:123456789012
4.EMAIL ID:lakshmi252@gmail.com
5.PHONE NUMBER:9994504204
6.ADDRESS:
    6.1 DOOR NUMBER:100
    6.2 NAME OF THE STREET:bharathidasan salai
    6.3 NAME OF THE AREA:cantonment
    6.4 DISTRICT NAME:trichy

LAST READING:0
COST PER UNIT ENERGY IS Rs 5.

DO YOU WANT TO SEARCH MORE:n

!!!!THANK YOU!!!!
DO YOU WANT TO RETURN TO HOME PAGE..PRESS 'y' TO RETURN.:y_
```

```
DOSBox 0.74, Cpu speed: max 100% cycles, Frameskip 0, Program: DO...
!!!! HOME PAGE !!!!!

-----

1.TO PRINT BILL
2.TO CREATE A SERVICE
3.TO SEARCH A SERVICE
4.DELETE A SERVICE NUMBER
5.TO MODIFY A SERVICE
6.EXIT

ENTER YOUR CHOICE [1(or)2(or)3(or)4(or)5(or)6]:5
```

```
DOSBox 0.74, Cpu speed: max 100% cycles, Frameskip 0, Program: DO...
!!!! MODIFICATION !!!!

-----

ENTER THE SERVICE NUMBER TO BE MODIFIED:1

1.NAME:lakshmi bhat.r
2.SERVICE NUMBER:1
3.AADHAR NUMBER:123456789012
4.EMAIL ID:lakshmi252@gmail.com
5.PHONE NUMBER:9994504204
6.ADDRESS:
    6.1 DOOR NUMBER:100
    6.2 NAME OF THE STREET:bharathidasan salai
    6.3 NAME OF THE AREA:cantonment
    6.4 DISTRICT NAME:trichy

OPTIONS TO MODIFY:
    1.NAME
    2.ADDRESS
    3.PHONE NUMBER
    4.TARIFF
    5.AADHAR NUMBER
    6.EMAIL ID
ENTER YOUR CHOICE TO BE MODIFIED:1
```

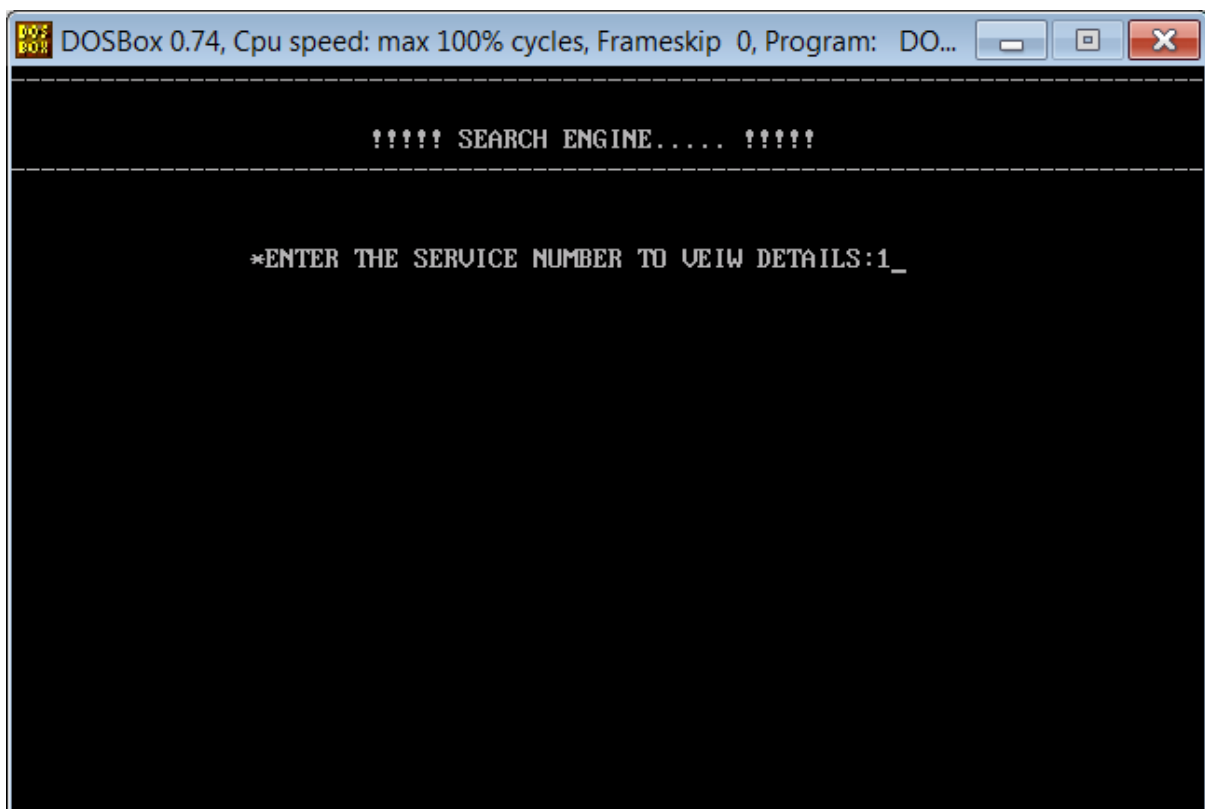
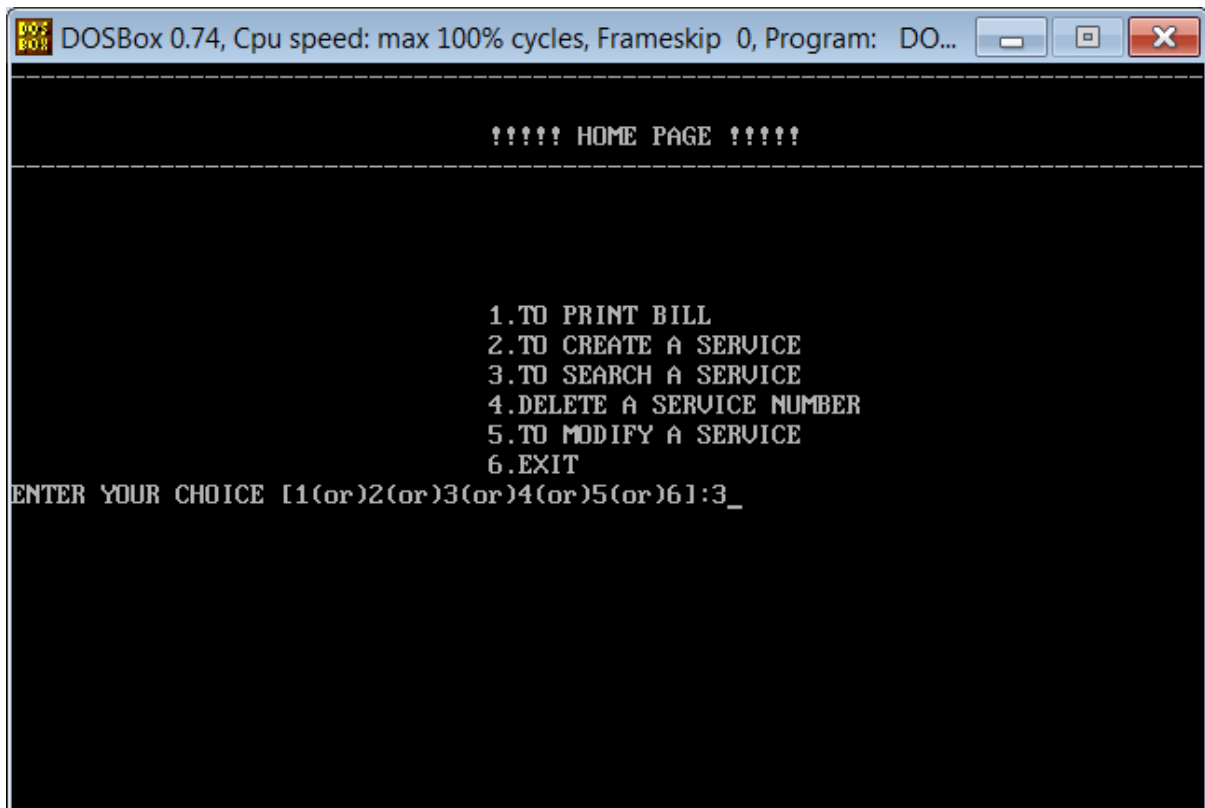
```
DOSBox 0.74, Cpu speed: max 100% cycles, Frameskip 0, Program: DO...
!!!! MODIFICATION !!!!

-----

ENTER NEW NAME:rajaram bhat.r

DO YOU WANT TO RETURN TO HOME PAGE..PRESS 'y' TO RETURN..:y_
```





```
DOSBox 0.74, Cpu speed: max 100% cycles, Frameskip 0, Program: DO...
!!!! SEARCH ENGINE..... !!!!!

-----
THE SERVICE NUMBER 1 CONTAINS :

1.NAME:rajaram bhat.r
2.SERVICE NUMBER:1
3.AADHAR NUMBER:123456789012
4.EMAIL ID:lakshmi252@gmail.com
5.PHONE NUMBER:9994504204
6.ADDRESS:
    6.1 DOOR NUMBER:100
    6.2 NAME OF THE STREET:bharathidasan salai
    6.3 NAME OF THE AREA:cantonment
    6.4 DISTRICT NAME:trichy

LAST READING:0
COST PER UNIT ENERGY IS Rs 5.

DO YOU WANT TO SEARCH MORE:n

!!!!THANK YOU!!!!
DO YOU WANT TO RETURN TO HOME PAGE..PRESS 'y' TO RETURN.:y_
```

```
DOSBox 0.74, Cpu speed: max 100% cycles, Frameskip 0, Program: DO...
!!!! HOME PAGE !!!!!

-----

1.TO PRINT BILL
2.TO CREATE A SERVICE
3.TO SEARCH A SERVICE
4.DELETE A SERVICE NUMBER
5.TO MODIFY A SERVICE
6.EXIT

ENTER YOUR CHOICE [1(or)2(or)3(or)4(or)5(or)6]:4_
```

```
DOSBox 0.74, Cpu speed: max 100% cycles, Frameskip 0, Program: DO...
!!!!!  DELETION  !!!!!!

**ENTER SERVICE NUMBER:1

1.NAME:rajaram bhat.r
2.SERVICE NUMBER:1
3.AADHAR NUMBER:123456789012
4.EMAIL ID:lakshmi252@gmail.com
5.PHONE NUMBER:9994504204
6.ADDRESS:
    6.1 DOOR NUMBER:100
    6.2 NAME OF THE STREET:bharathidasan salai
    6.3 NAME OF THE AREA:cantonment
    6.4 DISTRICT NAME:trichy
IS THE INFORMATION CORRECT???..PRESS ANY KEY TO PROCCED..
****DELETED SUCESSFULLY.....****

DO YOU WANT TO RETURN TO HOME PAGE..PRESS 'y' TO RETURN.:y
```

```
DOSBox 0.74, Cpu speed: max 100% cycles, Frameskip 0, Program: DO...  
!!!! HOME PAGE !!!!!  
  
1.TO PRINT BILL  
2.TO CREATE A SERVICE  
3.TO SEARCH A SERVICE  
4.DELETE A SERVICE NUMBER  
5.TO MODIFY A SERVICE  
6.EXIT  
ENTER YOUR CHOICE [1(or)2(or)3(or)4(or)5(or)6]:3
```

```
DOSBox 0.74, Cpu speed: max 100% cycles, Frameskip 0, Program: DO...  
!!!! SEARCH ENGINE..... !!!!!  
  
*ENTER THE SERVICE NUMBER TO VIEW DETAILS:1  
...THIS SERVICE NUMBER DOES NOT EXIST....  
DO YOU WANT TO SEARCH MORE:n  
  
!!!!THANK YOU!!!!  
DO YOU WANT TO RETURN TO HOME PAGE..PRESS 'y' TO RETURN..:y_
```

```
DOSBox 0.74, Cpu speed: max 100% cycles, Frameskip 0, Program: DO...
!!!! HOME PAGE !!!!

1.TO PRINT BILL
2.TO CREATE A SERVICE
3.TO SEARCH A SERVICE
4.DELETE A SERVICE NUMBER
5.TO MODIFY A SERVICE
6.EXIT
ENTER YOUR CHOICE [1(or)2(or)3(or)4(or)5(or)6]:6
```

```
DOSBox 0.74, Cpu speed: max 100% cycles, Frameskip 0, Program: DO...
!!!! ELECTRICITY BOARD !!!!

EXIT...!!

DO YOU WANT TO EXIT:y
FOR FURTUR ENQUIRIES... CONTACT:
*PHONE NUMBER:1912
*EMAIL ID:electricitysave@gamil.com

-SHIFT TO RENEWABLE ENERGY..FOR BRIGHT FUTURE.._
```

# Future enhancement

Electricity board has to deal with many consumers daily. Hence it is very important to maintain the records of all the consumers . For this purpose we require software that makes it easy to maintain the consumer details . The records of varies consumers can be stored in a single file . This software can be used by electricity service provider companies .

In this project “**ELECTRICITY BILL**” a c++ project facilities like create , search ,display , modification , deletion of an service number are provided .

## Conclusion

The project explained here is very useful in maintaining the consumer's details . And can

work on the existing record of consumer's details .  
The work load of the staff working in this  
department is considerably reduced .

## BIBLIOGRAPHY:

- Computer science with c++ by  
SUMITA ARORA.

