***PROJECT REPORT***

* This is my data structures project report, in this part we are going to see about what is this project What we can do with it .
* I did a ATM system Project for people who want to make any operation on their bank account, so let’s check out the system.
* First, i used a class that related to the whole code and i used almost every variable in main code is in this ‘Money’ class.
* At the first, program ask the user card number and card password. There is a menu of operations to choose. I used switch-case statement for this operation part to do corretcly and completely ask questions and do every calculation for users.
* The first case is MONEY TRANSACTION which ensure us to do operations about money, here we can do withrawal to take money from card, response money to card, transfer money to another account, and learn the arrears. Also at the end of scope, every value that entered by user is printed. I used if-else statement for this subheadings with giving a number them and when user entered the number it can reach the task.
* The second case is PAY BILL which helps to users for paying their bill. Here we have 4 options for these bills. First one is PHONE BILL, user enters the phone number and how much minutes they talked on phone last month with if-else statement for the spoken minutes program decides the bill for this. Second one is ELECTRIC BILL, user enters the electric meter number for an information, then enter the hours they used for how much hours electric last month and with if-else statement program decides the bill for spended hours. Third bill is WATER BILL, first programs ask user the water meter number ,after that program asks the user how much litres used on last month and again with if-else statement program prints the bill on the screen. Last one is GAS BILL and program first ask user the gas meter number and then ask how much index gas used by user last month and program find the bill related this index.
* Before every option, program ask the user to enter card balance because program should do calculation for example when ve response money program adding the responsed money to card balance and prints the last balance after adding.
* After every option, program prints everything that user entered like card number, card password, card balance, amount of money which should pay or response or taken.
* When we look at the third case, we can see MORE SERVICES on that part. On this section we have also two options. First one is MY EXPENSES, here we can see our expenses, program ask the date of expense, it can be yesterday, last one week and last one month. For the choosen option program displays the expenses and total amount of cost. Second option is CONTACT US part. In here users can see the e-mail adress, phone numbers, fax number, social media adresses and local adress of bank to reach bank.
* Last and fourth case is CHANGE PASSWORD for change account’s password. Here program ask to user enter the new password of account. After that, program takes the new password and the old password which entered by user and swap them with an another empty variable.
* This was a short information of general system to first make understandable for users. Now, let’s talk about this program’s code line by line.
* In this part i declared all variables in a class that i used in whole code.

#include <stdio.h> // standart input-output header

class Money{

public :

char user\_name[400]; // take user name

char user\_surname[400]; // take user surname

int card\_password; // to get money from card

int case\_operation; // to put money into card

int card\_number; // to get card number

int card\_balance; // to get card balance

int last\_balance; // to calculate last balance after an operation

int taken\_money; // to take money from card

int transfer\_iban; // to transfer money to another account

int repose\_money; // to response money from card

int bill\_number; // to meter or phone number for bills

int bill\_amount; // to amount of bills

};

* MAIN CODE PART

int main()

{

char chr; // control the user wants to continue or not

do // opening do-while loop for asking user

{

Money Mon; // object of class

int operation; // for menu cases

printf("\t\t\t\t\t-->WELCOME TO LOOKER BANK<--\t\t\t\t\t\n");

printf("Enter your name : "); // take user’s name

scanf(" %s",&Mon.user\_name);

printf("Enter your surname : "); // take user’s surname

scanf(" %s",&Mon.user\_surname);

printf("Enter your card number please : "); // take card number

scanf("%d",&Mon.card\_number);

printf("Enter your card password please : "); // take card password

scanf("%d",&Mon.card\_password);

printf("\n\n");

printf("\t\t\t1 - MONEY TRANSACTION"); // for money opeartions

printf("\t\t\t2 - PAY BILL\n\n"); // for paying bills

printf("\t\t\t3 - MORE SERVICES"); // for more services like expenses or contact us

printf("\t\t\t4 - CHANGE PASSWORD"); // for change password

printf("\n\nChose operation to a number : "); // to chose option from menu

switch(operation) // switch - case statement for all menu

{

case 1 :

printf("\nEnter your card balance : "); //take card balance

scanf("%d",&Mon.card\_balance);

// options in MONEY TRANSACTION option

printf("\n1 - WITHDRAWAL"); // to take money from card

printf("\n2 - MONEY TRANSFER "); // to transfer money

printf("\n3 - MONEY REPOSE ");

printf("\n4 - MY ARREARS");

printf("\n\nChose operation to a number : "); // for money transaction part

scanf("%d",&Mon.case\_operation);

if(Mon.case\_operation==1) // for withdrawal option

{

printf("How much cash you want ? "); // amount to take form card

scanf("%d",&Mon.taken\_money);

printf("\n\n");

Mon.last\_balance = (Mon.card\_balance - Mon.taken\_money); // calculation on balance

printf("\nName and Surname : %s and %s",Mon.user\_name,Mon.user\_surname); // name and surname

printf("Card number : %d",Mon.card\_number); // card number

printf("\nOperation: Get Money"); // operation information

printf("\nAmount : %d TL",Mon.taken\_money); // amount of taken money

printf("\nAvailable Balance : %d",Mon.last\_balance); // last balance after operation

printf("\nATM Fee : 0.00"); // atm fee

printf("\n\nThank you for choosing us. -LOOKER BANK.");

}

else if(Mon.case\_operation==2) // option for transfer money

{

printf("\nEnter iban number to transfer : "); // IBAN number of other account

scanf("%d",&Mon.transfer\_iban);

printf("Enter amount that you want to transfer : "); // amount of money to transfer

scanf("%d",&Mon.taken\_money);

Mon.last\_balance = (Mon.card\_balance - Mon.taken\_money); // calculation on balance

printf("\nName and Surname : %s %s",Mon.user\_name,Mon.user\_surname); // name and surname

printf("\nCard number : %d",Mon.card\_number); // card number

printf("\nIban number : %d",Mon.transfer\_iban); // iban number

printf("\nOperation: Money Transfer "); // operation information

printf("\nAmount : %d TL",Mon.taken\_money); // amount of transfered money

printf("\nAvailable Balance : %d",Mon.last\_balance); // last balance after operation

printf("\nATM Fee : 0.00"); // atm fee

printf("\n\nThank you for choosing us. -LOOKER BANK.");

}

else if(Mon.case\_operation==3) // option for repose money

{

printf("Enter amount that you want to repose: "); // amount money for repose

scanf("%d",&Mon.repose\_money);

Mon.last\_balance = (Mon.card\_balance + Mon.repose\_money); // calculation on balance

printf("\nCard number : %d",Mon.card\_number); // card number

printf("\nOperation: Money Repose"); // operation information

printf("\nAmount : %d TL",Mon.repose\_money); // amount of repose money

printf("\nAvailable Balance : %d",Mon.last\_balance); // last balance

printf("\nATM Fee : 0.00");

printf("\n\nThank you for choosing us. -LOOKER BANK.");

}

else if(Mon.case\_operation==4) // arrears option

{

//there is some arrears that user had

printf("\nYou have 10.000 TL debt to LOOKER TECH. COMPANY");

printf("\nYou have 15.000 TL debt to LOOKER BANK for credit you take before.");

printf("\nYou have 5.000 TL debt to BAHCESEHIR CYPRUS UNIVERSITY for education fee.");

printf("\n\nThank you for choosing us. -LOOKER BANK.");

}

break;

case 2 : // case of bills

printf("Enter your card balance : "); // user’s card balance

scanf("%d",&Mon.card\_balance);

printf("\n1 - PHONE BILL"); // bills for phones

printf("\n2 - ELECTRIC BILL"); // bills for electrics

printf("\n3 - WATER BILL"); // bills for water

printf("\n4 - GAS BILL"); // bills for gas

printf("\n\nChoose the bill you want to pay : "); // option for bill case

scanf("%d",&Mon.case\_operation);

**// in this phone bill part program takes the spoken minutes from user to calculate bill, i used if else statement to calculate related to spoken minutes , it gives a amount for bill on space between spoken minutes on phone**

if(Mon.case\_operation==1) // option for electric bill

{

printf("\n\nPlease enter your phone number : "); // phone num. for an information

scanf("%d",&Mon.bill\_number);

int spoken\_minute; // to take value of spoken minute

printf("How much minute did you talked last month ? (between 0-200) "); // program ask spoken minute

scanf("%d",&spoken\_minute);

if(spoken\_minute<=200 && spoken\_minute>=150)

{

Mon.bill\_amount = 100; // amount of bill

printf("\nYour phone bill is %d TL.",Mon.bill\_amount); // printing phone bill

}

else if(spoken\_minute<=149 && spoken\_minute>=100)

{

Mon.bill\_amount = 75; // amount of bill

printf("\nYour phone bill is %d TL.",Mon.bill\_amount); // printing phone bill

}

else if(spoken\_minute<=99 && spoken\_minute>=50)

{

Mon.bill\_amount=50; // amount of bill

printf("\nYour phone bill is %d TL.",Mon.bill\_amount); // printing phone bill

}

else if(spoken\_minute<=49 && spoken\_minute>=1)

{

Mon.bill\_amount=25; // amount of bill

printf("\nYour phone bill is %d TL.",Mon.bill\_amount); // printing phone bill

}

Mon.last\_balance = (Mon.card\_balance - Mon.bill\_amount); // calculation on balance

printf("\nName and Surname : %s %s",Mon.user\_name,Mon.user\_surname);// name and surname

printf("\nCard number : %d",Mon.card\_number); // card number

printf("\nOperation: Pay Phone Bill"); // opertion information

printf("\nAmount : %d TL",Mon.bill\_amount); // bill amount

printf("\nAvailable Balance : %d",Mon.last\_balance); // last balance

printf("\nATM Fee : 0.00"); // atm fee

printf("\n\nThank you for choosing us. -LOOKER BANK.");

}

**// in this electric bill part program takes the spended hours from user to calculate bill, i used if else statement to calculate related to spended hours, it gives a amount for bill on space between spended electric hours**

else if(Mon.case\_operation==2) // option of electric bill

{

printf("Please enter your electric meter number : "); // electric meter number

scanf("%d",&Mon.bill\_number);

int spent\_hour; // value for spended hours of electric

printf("How much hours did you use electric last month ? (between 0-200 hours) ");

// program ask spended hours

scanf("%d",&spent\_hour);

if(spent\_hour<=200 && spent\_hour>=150)

{

Mon.bill\_amount = 100; // amount of bill

printf("\nYour electric bill is %d TL.",Mon.bill\_amount); // printing the bill

}

else if(spent\_hour<=149 && spent\_hour>=100)

{

Mon.bill\_amount = 75; // amount of bill

printf("\nYour electric bill is %d TL.",Mon.bill\_amount); // printing the bill

}

else if(spent\_hour<=99 && spent\_hour>=50)

{

Mon.bill\_amount=50; // amount of bill

printf("\nYour electric bill is %d TL.",Mon.bill\_amount); // printing the bill

}

else if(spent\_hour<=49 && spent\_hour>=1)

{

Mon.bill\_amount=25; // amount of bill

printf("\nYour electric bill is %d TL.",Mon.bill\_amount); // printing the bill

}

Mon.last\_balance = (Mon.card\_balance - Mon.bill\_amount); //calculation on balance

printf("\nCard number : %d",Mon.card\_number); // card number

printf("\nElectric meter number : %d",&Mon.bill\_number); // electric meter number

printf("\nOperation: Pay Electric Bill"); // operation information

printf("\nAmount : %d TL",Mon.bill\_amount); // bill amount

printf("\nAvailable Balance : %d",Mon.last\_balance); // last balance

printf("\nATM Fee : 0.00"); // atm fee

printf("\n\nThank you for choosing us. -LOOKER BANK.");

}

**// in this water bill part program takes amount of the used litres from user to calculate bill, i used if else statement to calculate related to used litres, it gives a amount for bill on space between used litres of water**

else if(Mon.case\_operation==3) // option of water bill

{

printf("What is the number of your water meter ?"); // number of water meter

scanf("%d",&Mon.bill\_number);

int used\_litres; // variable for take used litres

printf("How much litres water you used last month ?"); // program ask used litres to user

scanf("%d",&used\_litres);

if(used\_litres<=300 && used\_litres>=250)

{

Mon.bill\_amount = 200; // amount of bill

printf("\nYour water bill is %d TL.",Mon.bill\_amount); // printing the bill

}

else if(used\_litres<=249 && used\_litres>=200)

{

Mon.bill\_amount = 150; // amount of bill

printf("\nYour water bill is %d TL.",Mon.bill\_amount); // printing the bill

}

else if(used\_litres<=199 && used\_litres>=150)

{

Mon.bill\_amount=100; // amount of bill

printf("\nYour water bill is %d TL.",Mon.bill\_amount); // printing the bill

}

else if(used\_litres<=149 && used\_litres>=100)

{

Mon.bill\_amount=75; // amount of bill

printf("\nYour water bill is %d TL.",Mon.bill\_amount); // printing the bill

}

else if(used\_litres<=99 && used\_litres>=1)

{

Mon.bill\_amount=50; /7 amount of bill

printf("\nYour water bill is %d TL",Mon.bill\_amount); // printing the bill

}

Mon.last\_balance = (Mon.card\_balance - Mon.bill\_amount); // calculate on balance

printf("\nName and Surname : %s %s",Mon.user\_name,Mon.user\_surname); // name and surname

printf("\nCard number : %d",Mon.card\_number); // card number

printf("\nWater meter number : %d",&Mon.bill\_number); // water meter number

printf("\nOperation: Pay Water Bill"); // operation information

printf("\nAmount : %d TL",Mon.bill\_amount); // amount of bill

printf("\nAvailable Balance : %d",Mon.last\_balance); // last balance in card

printf("\nATM Fee : 0.00"); // atm fee

printf("\n\nThank you for choosing us. -LOOKER BANK.");

}

**// in this gas bill part program takes amount of the index of gas from user to calculate bill, i used if else statement to calculate related to index gas, it gives a amount for bill on space between used index of gas**

else if(Mon.case\_operation==4) // option of gas bill

{

printf("What is the number of your gas meter ?"); // gas meter number

scanf("%d",&Mon.bill\_number);

int gas\_index; // variable for gas index

printf("How much index gas you used last month ?"); // program ask for gas index

scanf("%d",&gas\_index);

if(gas\_index<=300 && gas\_index>=250)

{

Mon.bill\_amount = 200; // bill amount

printf("\nYour gas bill is %d TL.",Mon.bill\_amount); // printing the bill

}

else if(gas\_index<=249 && gas\_index>=200)

{

Mon.bill\_amount = 150; // bill amount

printf("\nYour gas bill is %d TL.",Mon.bill\_amount); // printing the bill

}

else if(gas\_index<=199 && gas\_index>=150)

{

Mon.bill\_amount=100; // bill amount

printf("\nYour gas bill is %d TL.",Mon.bill\_amount); // printing the bill

}

else if(gas\_index<=149 && gas\_index>=100)

{

Mon.bill\_amount=75; // bill amount

printf("\nYour gas bill is %d TL.",Mon.bill\_amount); // printing the bill

}

else if(gas\_index<=99 && gas\_index>=1)

{

Mon.bill\_amount=50; // bill amount

printf("\nYour water gas is %d TL",Mon.bill\_amount); // printing the bill

}

Mon.last\_balance = (Mon.card\_balance - Mon.bill\_amount); // card on balance

printf("\nName and Surname : %s %s",Mon.user\_name,Mon.user\_surname); // name and surname

printf("\nCard number : %d",Mon.card\_number); // card number

printf("\nGas meter number : %d",&Mon.bill\_number); // gas meter number

printf("\nOperation: Pay Gas Bill"); // operation information

printf("\nAmount : %d TL",Mon.bill\_amount); // amount of bill

printf("\nAvailable Balance : %d",Mon.last\_balance); // last balance in card

printf("\nATM Fee : 0.00"); // atm fee

printf("\n\nThank you for choosing us. -LOOKER BANK.");

}

break;

**// in this case third option of menu, user can reach more services like learn their expenses on yesterday of the day they checked, last one week and last one month, i used switch-case statement to choose date for expenses. Also they can learn how they can reach the bank with numbers and adresses. For this two option also i used if-else statement.**

case 3 : // case of 3. option in menu

printf("Enter your card balance : "); // takes card balance

scanf("%d",&Mon.card\_balance);

printf("\n1 - MY EXPENSES"); // option for expenses

printf("\n2 - CONTACT US"); // option for contact

printf("\n\nChoose the service : "); // to choose option in case 3 menu

scanf("%d",&Mon.case\_operation);

if(Mon.case\_operation==1) // option of expenses

{

printf("\n1 - Yesterday"

"\n2 - Before 1 Week"

"\n3 - Before 1 Month"

"\nWhich date you want to reach and show expenses : "); // menu of dates for expenses and program ask to user enter the date

int expense\_case; // variable for date of expenses

scanf("%d",&expense\_case);

switch(expense\_case)

{

case 1 : // yesterday expense

printf("\n\n-20 TL at Gloria Jeans Coffees"

"\n-35 TL at Avenue Cinema"

"\n-50 TL at Califorian Restaurant");

Mon.last\_balance = (Mon.card\_balance - 105); // calculate on balance

printf("\nName and Surname : %s %s",Mon.user\_name,Mon.user\_surname); // name and surname

printf("\n\nCard number : %d",Mon.card\_number); // card number

printf("\nOperation: Expense"); // operation information

printf("\nYesterday Total Amount : 105 TL"); // amount of expense

printf("\nAvailable Balance : %d",Mon.card\_balance); // last balance on card

printf("\nATM Fee : 0.00"); // atm fee

printf("\n\nThank you for choosing us. -LOOKERBANK.");

break;

case 2 : // last 1 week expense

printf(

"\n\n-20 TL at Gloria Jeans Coffees"

"\n-35 TL at Avenue Cinema"

"\n-50 TL at Califorian Restaurant"

"\n-25 TL at Bau Cyprus Cafe"

"\n-100 TL at K-Pet Gas Station"

"\n-70 TL at El Sabor Restaurant"

);

Mon.last\_balance = (Mon.card\_balance - 300); // calculate on balance

printf("\nName and Surname : %s %s",Mon.user\_name,Mon.user\_surname); // name and surname

printf("\n\nCard number : %d",Mon.card\_number); // card number

printf("\nOperation: Expense"); // operation information

printf("\n1 Week Total Amount : 300 TL"); // amount of expense

printf("\nAvailable Balance : %d",Mon.card\_balance); // last balance in card

printf("\nATM Fee : 0.00"); // atm fee

printf("\n\nThank you for choosing us. -LOOKER BANK.");

break;

case 3 : // expense of last month

printf("\n\n-20 TL at Gloria Jeans Coffees"

"\n-35 TL at Avenue Cinema"

"\n-50 TL at Califorian Restaurant"

"\n-25 TL at Bau Cyprus Cafe"

"\n-100 TL at K-Pet Gas Station"

"\n-70 TL at El Sabor Restaurant"

"\n-30 TL at Cafe Pascucci"

"\n-65 TL at LC Waikiki"

"\n-350 TL at Adidas");

Mon.last\_balance = (Mon.card\_balance - 745); // calculate on balance

printf("\nName and Surname : %s %s",Mon.user\_name,Mon.user\_surname); // name and surname

printf("\n\nCard number : %d",Mon.card\_number); // card number

printf("\nOperation: Expense"); // operation information

printf("\n1 Month Total Amount : 745 TL"); // amount of expense

printf("\nAvailable Balance : %d",Mon.card\_balance); // last balance of card

printf("\nATM Fee : 0.00"); // atm fee

printf("\n\nThank you for choosing us. -LOOKER BANK.");

break;

}

}

else if(Mon.case\_operation==2) // option of contact us

{

printf("\n E-Mail Adress : [lookerbank@info.com](mailto:lookerbank@info.com)."); // e-mail adress

printf("\n Phone numbers : +391 567 768,\t+391 834 459."); // phone numbers

printf("\n Fax : +391 456 341."); // fax number

printf("\n Instagram : lookerbank."); // instagram adress

printf("\n Facebook : Looker Bank."); // facebook adress

printf("\nAdress : Dereboyu Street / 14. Loan / Opposite of Segafredo Coffees."); // local adress

}

break;

**// in this part user can change password of their account with swap operation.. First i declared an empty variable “temp”, and two other variables for old and new passwords. Card password which user enters at the beginning of the program is assigning into temp variable. After that, new password that user enter in this scope assign into card password variable in class. The old password which assigned in temp variable, assign to old password variable to print. Then, old password and new password is printing.**

case 4 : // change password option on menu

int temp; // empty variable

int old\_password; // old password variable

int new\_password; // new password variable

printf("\nEnter your new password : ");

scanf("%d",&new\_password);

temp = Mon.card\_password;

Mon.card\_password = new\_password;

old\_password = temp;

printf("\nYour old password was %d.",old\_password);

printf("\nYour new password is %d.",Mon.card\_password);

break;

}

printf("\n\nDo you want to do another operation ? (if yes press y, if no press n) ");

scanf(" %c",&chr);

}

while(chr!='n');

printf("Program over.");

return 0;

}

***CODE WITHOUT NO COMMENT***

#include <stdio.h>

class Money{

public :

char user\_name[400];

char user\_surname[400];

int card\_password; // to get money from card

int case\_operation; // to put money into card

int card\_number;

int card\_balance;

int last\_balance;

int taken\_money;

int transfer\_iban;

int repose\_money;

int bill\_number;

int bill\_amount;

};

int main()

{

char chr;

do

{

Money Mon;

int operation;

printf("\t\t\t\t\t-->WELCOME TO LOOKER BANK<--\t\t\t\t\t\n");

printf("Enter your name : ");

scanf(" %s",&Mon.user\_name);

printf("Enter your surname : ");

scanf(" %s",&Mon.user\_surname);

printf("Enter your card number please : ");

scanf("%d",&Mon.card\_number);

printf("Enter your card password please : ");

scanf("%d",&Mon.card\_password);

printf("\n\n");

printf("\t\t\t1 - MONEY TRANSACTION");

printf("\t\t\t2 - PAY BILL\n\n");

printf("\t\t\t3 - MORE SERVICES");

printf("\t\t\t4 - CHANGE PASSWORD");

printf("\n\nChose operation to a number : ");

scanf("%d",&operation);

switch(operation)

{

case 1 :

printf("\nEnter your card balance : ");

scanf("%d",&Mon.card\_balance);

printf("\n1 - WITHDRAWAL");

printf("\n2 - MONEY TRANSFER ");

printf("\n3 - MONEY REPOSE ");

printf("\n4 - MY ARREARS");

printf("\n\nChose operation to a number : ");

scanf("%d",&Mon.case\_operation);

if(Mon.case\_operation==1)

{

printf("How much cash you want ? ");

scanf("%d",&Mon.taken\_money);

printf("\n\n");

Mon.last\_balance = (Mon.card\_balance - Mon.taken\_money);

printf("\nName and Surname : %s and %s",Mon.user\_name,Mon.user\_surname);

printf("Card number : %d",Mon.card\_number);

printf("\nOperation: Get Money");

printf("\nAmount : %d TL",Mon.taken\_money);

printf("\nAvailable Balance : %d",Mon.last\_balance);

printf("\nATM Fee : 0.00");

printf("\n\nThank you for choosing us. -LOOKER BANK.");

}else if(Mon.case\_operation==2)

{

printf("\nEnter iban number to transfer : ");

scanf("%d",&Mon.transfer\_iban);

printf("Enter amount that you want to transfer : ");

scanf("%d",&Mon.taken\_money);

Mon.last\_balance = (Mon.card\_balance - Mon.taken\_money);

printf("\nName and Surname%s%s",Mon.user\_name,Mon.user\_surname);

printf("\nCard number : %d",Mon.card\_number);

printf("\nIban number : %d",Mon.transfer\_iban);

printf("\nOperation: Money Transfer ");

printf("\nAmount : %d TL",Mon.taken\_money);

printf("\nAvailable Balance : %d",Mon.last\_balance);

printf("\nATM Fee : 0.00");

printf("\n\nThank you for choosing us. -LOOKER BANK.");

}else if(Mon.case\_operation==3)

{

printf("Enter amount that you want to repose: ");

scanf("%d",&Mon.repose\_money);

Mon.last\_balance = (Mon.card\_balance + Mon.repose\_money);

printf("\nCard number : %d",Mon.card\_number);

printf("\nOperation: Money Repose");

printf("\nAmount : %d TL",Mon.repose\_money);

printf("\nAvailable Balance : %d",Mon.last\_balance);

printf("\nATM Fee : 0.00");

printf("\n\nThank you for choosing us. -LOOKER BANK.");

}else if(Mon.case\_operation==4)

{

printf("\nYou have 10.000 TL debt to LOOKER TECH. COMPANY");

printf("\nYou have 15.000 TL debt to LOOKER BANK for credit you take before.");

printf("\nYou have 5.000 TL debt to BAHCESEHIR CYPRUS UNIVERSITY for education fee.");

printf("\n\nThank you for choosing us. -LOOKER BANK.");

}

break;

case 2 :

printf("Enter your card balance : ");

scanf("%d",&Mon.card\_balance);

printf("\n1 - PHONE BILL");

printf("\n2 - ELECTRIC BILL");

printf("\n3 - WATER BILL");

printf("\n4 - GAS BILL");

printf("\n\nChoose the bill you want to pay : ");

scanf("%d",&Mon.case\_operation);

if(Mon.case\_operation==1)

{

printf("\n\nPlease enter your phone number : ");

scanf("%d",&Mon.bill\_number);

int spoken\_minute;

printf("How much minute did you talked last month ? (between 0-200)");

scanf("%d",&spoken\_minute);

if(spoken\_minute<=200 && spoken\_minute>=150)

{

Mon.bill\_amount = 100;

printf("\nYour phone bill is %d TL.",Mon.bill\_amount);

}else if(spoken\_minute<=149 && spoken\_minute>=100)

{

Mon.bill\_amount = 75;

printf("\nYour phone bill is %d TL.",Mon.bill\_amount);

}else if(spoken\_minute<=99 && spoken\_minute>=50)

{

Mon.bill\_amount=50;

printf("\nYour phone bill is %d TL.",Mon.bill\_amount);

}else if(spoken\_minute<=49 && spoken\_minute>=1)

{

Mon.bill\_amount=25;

printf("\nYour phone bill is %d TL.",Mon.bill\_amount);

}

Mon.last\_balance = (Mon.card\_balance - Mon.bill\_amount);

printf("\nName and Surname : %s %s",Mon.user\_name,Mon.user\_surname);

printf("\nCard number : %d",Mon.card\_number);

printf("\nOperation: Pay Phone Bill");

printf("\nAmount : %d TL",Mon.bill\_amount);

printf("\nAvailable Balance : %d",Mon.last\_balance);

printf("\nATM Fee : 0.00");

printf("\n\nThank you for choosing us. -LOOKER BANK.");

}

else if(Mon.case\_operation==2)

{

printf("Please enter your electric meter number : ");

scanf("%d",&Mon.bill\_number);

int spent\_hour;

printf("How much hours did you use electric last month ? (between 0-200) ");

scanf("%d",&spent\_hour);

if(spent\_hour<=200 && spent\_hour>=150)

{

Mon.bill\_amount = 100;

printf("\nYour electric bill is %d TL.",Mon.bill\_amount);

}else if(spent\_hour<=149 && spent\_hour>=100)

{

Mon.bill\_amount = 75;

printf("\nYour electric bill is %d TL.",Mon.bill\_amount);

}else if(spent\_hour<=99 && spent\_hour>=50)

{

Mon.bill\_amount=50;

printf("\nYour electric bill is %d TL.",Mon.bill\_amount);

}else if(spent\_hour<=49 && spent\_hour>=1)

{

Mon.bill\_amount=25;

printf("\nYour electric bill is %d TL.",Mon.bill\_amount);

}

Mon.last\_balance = (Mon.card\_balance - Mon.bill\_amount);

printf("\nCard number : %d",Mon.card\_number);

printf("\nElectric meter number : %d",&Mon.bill\_number);

printf("\nOperation: Pay Electric Bill");

printf("\nAmount : %d TL",Mon.bill\_amount);

printf("\nAvailable Balance : %d",Mon.last\_balance);

printf("\nATM Fee : 0.00");

printf("\n\nThank you for choosing us. -LOOKER BANK.");

}

else if(Mon.case\_operation==3)

{

printf("What is the number of your water meter ?");

scanf("%d",&Mon.bill\_number);

int used\_litres;

printf("How much litres water you used last month ?");

scanf("%d",&used\_litres);

if(used\_litres<=300 && used\_litres>=250)

{

Mon.bill\_amount = 200;

printf("\nYour water bill is %d TL.",Mon.bill\_amount);

}else if(used\_litres<=249 && used\_litres>=200)

{

Mon.bill\_amount = 150;

printf("\nYour water bill is %d TL.",Mon.bill\_amount);

}else if(used\_litres<=199 && used\_litres>=150)

{

Mon.bill\_amount=100;

printf("\nYour water bill is %d TL.",Mon.bill\_amount);

}else if(used\_litres<=149 && used\_litres>=100)

{

Mon.bill\_amount=75;

printf("\nYour water bill is %d TL.",Mon.bill\_amount);

}else if(used\_litres<=99 && used\_litres>=1)

{

Mon.bill\_amount=50;

printf("\nYour water bill is %d TL",Mon.bill\_amount);

}

Mon.last\_balance = (Mon.card\_balance - Mon.bill\_amount);

printf("\nName and Surname : %s %s",Mon.user\_name,Mon.user\_surname);

printf("\nCard number : %d",Mon.card\_number);

printf("\nWater meter number : %d",&Mon.bill\_number);

printf("\nOperation: Pay Water Bill");

printf("\nAmount : %d TL",Mon.bill\_amount);

printf("\nAvailable Balance : %d",Mon.last\_balance);

printf("\nATM Fee : 0.00");

printf("\n\nThank you for choosing us. -LOOKER BANK.");

}

else if(Mon.case\_operation==4)

{

printf("What is the number of your gas meter ?");

scanf("%d",&Mon.bill\_number);

int gas\_index;

printf("How much index gas you used last month ?");

scanf("%d",&gas\_index);

if(gas\_index<=300 && gas\_index>=250)

{

Mon.bill\_amount = 200;

printf("\nYour gas bill is %d TL.",Mon.bill\_amount);

}else if(gas\_index<=249 && gas\_index>=200)

{

Mon.bill\_amount = 150;

printf("\nYour gas bill is %d TL.",Mon.bill\_amount);

}else if(gas\_index<=199 && gas\_index>=150)

{

Mon.bill\_amount=100;

printf("\nYour gas bill is %d TL.",Mon.bill\_amount);

}else if(gas\_index<=149 && gas\_index>=100)

{

Mon.bill\_amount=75;

printf("\nYour gas bill is %d TL.",Mon.bill\_amount);

}else if(gas\_index<=99 && gas\_index>=1)

{

Mon.bill\_amount=50;

printf("\nYour water gas is %d TL",Mon.bill\_amount);

}

Mon.last\_balance = (Mon.card\_balance - Mon.bill\_amount);

printf("\nName and Surname : %s %s",Mon.user\_name,Mon.user\_surname);

printf("\nCard number : %d",Mon.card\_number);

printf("\nGas meter number : %d",&Mon.bill\_number);

printf("\nOperation: Pay Gas Bill");

printf("\nAmount : %d TL",Mon.bill\_amount);

printf("\nAvailable Balance : %d",Mon.last\_balance);

printf("\nATM Fee : 0.00");

printf("\n\nThank you for choosing us. -LOOKER BANK.");

}

break;

case 3 :

printf("Enter your card balance : ");

scanf("%d",&Mon.card\_balance);

printf("\n1 - MY EXPENSES");

printf("\n2 - CONTACT US");

printf("\n\nChoose the service : ");

scanf("%d",&Mon.case\_operation);

if(Mon.case\_operation==1)

{

printf("\n1 - Yesterday"

"\n2 - Before 1 Week"

"\n3 - Before 1 Month"

"\nWhich date you want to reach and show expenses : ");

int expense\_case;

scanf("%d",&expense\_case);

switch(expense\_case)

{

case 1 :

printf("\n\n-20 TL at Gloria Jeans Coffees"

"\n-35 TL at Avenue Cinema"

"\n-50 TL at Califorian Restaurant");

Mon.last\_balance = (Mon.card\_balance - 105);

printf("\nName and Surname : %s %s",Mon.user\_name,Mon.user\_surname);

printf("\n\nCard number : %d",Mon.card\_number);

printf("\nOperation: Expense");

printf("\nYesterday Total Amount : 105 TL");

printf("\nAvailable Balance : %d",Mon.card\_balance);

printf("\nATM Fee : 0.00");

printf("\n\nThank you for choosing us. -LOOKER BANK.");

break;

case 2 :

printf(

"\n\n-20 TL at Gloria Jeans Coffees"

"\n-35 TL at Avenue Cinema"

"\n-50 TL at Califorian Restaurant"

"\n-25 TL at Bau Cyprus Cafe"

"\n-100 TL at K-Pet Gas Station"

"\n-70 TL at El Sabor Restaurant"

);

Mon.last\_balance = (Mon.card\_balance - 300);

printf("\nName and Surname : %s %s",Mon.user\_name,Mon.user\_surname);

printf("\n\nCard number : %d",Mon.card\_number);

printf("\nOperation: Expense");

printf("\n1 Week Total Amount : 300 TL");

printf("\nAvailable Balance : %d",Mon.card\_balance);

printf("\nATM Fee : 0.00");

printf("\n\nThank you for choosing us. -LOOKER BANK.");

break;

case 3 :

printf("\n\n-20 TL at Gloria Jeans Coffees"

"\n-35 TL at Avenue Cinema"

"\n-50 TL at Califorian Restaurant"

"\n-25 TL at Bau Cyprus Cafe"

"\n-100 TL at K-Pet Gas Station"

"\n-70 TL at El Sabor Restaurant"

"\n-30 TL at Cafe Pascucci"

"\n-65 TL at LC Waikiki"

"\n-350 TL at Adidas");

Mon.last\_balance = (Mon.card\_balance - 745);

printf("\nName and Surname : %s %s",Mon.user\_name,Mon.user\_surname);

printf("\n\nCard number : %d",Mon.card\_number);

printf("\nOperation: Expense");

printf("\n1 Month Total Amount : 745 TL");

printf("\nAvailable Balance : %d",Mon.card\_balance);

printf("\nATM Fee : 0.00");

printf("\n\nThank you for choosing us. -LOOKER BANK.");

break;

}

}

else if(Mon.case\_operation==2)

{

printf("\n E-Mail Adress : lookerbank@info.com.");

printf("\n Phone numbers : +391 567 768,\t+391 834 459.");

printf("\n Fax : +391 456 341.");

printf("\n Instagram : lookerbank.");

printf("\n Facebook : Looker Bank.");

printf("\nAdress : Dereboyu Street / 14. Loan / Opposite of Segafredo Coffees.");

}

break;

case 4 :

int temp;

int old\_password;

int new\_password;

printf("\nEnter your new password : ");

scanf("%d",&new\_password);

temp = Mon.card\_password;

Mon.card\_password = new\_password;

old\_password = temp;

printf("\nYour old password was %d.",old\_password);

printf("\nYour new password is %d.",Mon.card\_password);

break;

}

printf("\n\nDo you want to do another operation ? (if yes press y, if no press n) ");

scanf(" %c",&chr);

}while(chr!='n');

printf("Program over.");

return 0;

}