#include <stdio.h>

#include <conio.h>

#include <string.h>

#include <stdlib.h>

// Structure declaration

struct acc\_type

{

char bank\_name[20];

char bank\_branch[20];

char acc\_holder\_name[30];

int acc\_number;

char acc\_holder\_address[100];

float available\_balance;

};

struct acc\_type account[20];

/\*

printf("The above structure can be declared using

typedef like below");

typedef struct acc\_type

{

char bank\_name[20];

char bank\_branch[20];

char acc\_holder\_name[30];

int acc\_number;

char acc\_holder\_address[100];

float available\_balance;

}Acc\_detail;

Acc\_detail account[20];

\*/

int num\_acc;

void Create\_new\_account();

void Cash\_Deposit();

void Cash\_withdrawl();

void Account\_information();

void Log\_out();

void display\_options();

/\* main program \*/

int main()

{

char option;

char bs[50] = "http://bank server.com/";

num\_acc=0;

while(1)

{

printf("\n\*\*\*\*\* Welcome to Bank Application \*\*\*\*\*\n");

printf("\nThis demo program is brought you by %s",bs);

display\_options();

printf("Please enter any options (1/2/3/4/5/6) ");

printf("to continue : ");

option = getch();

printf("%c \n", option);

switch(option)

{

case '1': Create\_new\_account();

break;

case '2': Cash\_Deposit();

break;

case '3': Cash\_withdrawl();

break;

case '4': Account\_information();

break;

case '5': return 0;

case '6': system("cls");

break;

default : system("cls");

printf("Please enter one of the options");

printf("(1/2/3/4/5/6) to continue \n ");

break;

}

}

return 0;

}

/\*Function to display available options in this application\*/

void display\_options()

{

printf("\n1. Create new account \n");

printf("2. Cash Deposit \n");

printf("3. Cash withdrawl \n");

printf("4. Account information \n");

printf("5. Log out \n");

printf("6. Clear the screen and display available ");

printf("options \n\n");

}

/\* Function to create new account \*/

void Create\_new\_account()

{

char bank\_name[20];

char bank\_branch[20];

char acc\_holder\_name[30];

int acc\_number;

char acc\_holder\_address[100];

float available\_balance = 0;

fflush(stdin);

printf("\nEnter the bank name : ");

scanf("%s", &bank\_name);

printf("\nEnter the bank branch : ");

scanf("%s", &bank\_branch);

printf("\nEnter the account holder name : ");

scanf("%s", &acc\_holder\_name);

printf("\nEnter the account number(1 to 10): ");

scanf("%d", &acc\_number);

printf("\nEnter the account holder address : ");

scanf("%s", &acc\_holder\_address);

strcpy(account[acc\_number-1].bank\_name,bank\_name);

strcpy(account[acc\_number-1].bank\_branch,bank\_branch);

strcpy(account[acc\_number-1].acc\_holder\_name,

acc\_holder\_name);

account[acc\_number-1].acc\_number=acc\_number;

strcpy(account[acc\_number-1].acc\_holder\_address,

acc\_holder\_address);

account[acc\_number-1].available\_balance=available\_balance;

printf("\nAccount has been created successfully \n\n");

printf("Bank name : %s \n" ,

account[acc\_number-1].bank\_name);

printf("Bank branch : %s \n" ,

account[acc\_number-1].bank\_branch);

printf("Account holder name : %s \n" ,

account[acc\_number-1].acc\_holder\_name);

printf("Account number : %d \n" ,

account[acc\_number-1].acc\_number);

printf("Account holder address : %s \n" ,

account[acc\_number-1].acc\_holder\_address);

printf("Available balance : %f \n" ,

account[acc\_number-1].available\_balance);

//num\_acc++;

}

// Displaying account informations

void Account\_information()

{

register int num\_acc = 0;

//if (!strcmp(customer,account[count].name))

while(strlen(account[num\_acc].bank\_name)>0)

{

printf("\nBank name : %s \n" ,

account[num\_acc].bank\_name);

printf("Bank branch : %s \n" ,

account[num\_acc].bank\_branch);

printf("Account holder name : %s \n" ,

account[num\_acc].acc\_holder\_name);

printf("Account number : %d \n" ,

account[num\_acc].acc\_number);

printf("Account holder address : %s \n" ,

account[num\_acc].acc\_holder\_address);

printf("Available balance : %f \n\n" ,

account[num\_acc].available\_balance);

num\_acc++;

}

}

// Function to deposit amount in an account

void Cash\_Deposit()

{

auto int acc\_no;

float add\_money;

printf("Enter account number you want to deposit money:");

scanf("%d",&acc\_no);

printf("\nThe current balance for account %d is %f \n",

acc\_no, account[acc\_no-1].available\_balance);

printf("\nEnter money you want to deposit : ");

scanf("%f",&add\_money);

while (acc\_no=account[acc\_no-1].acc\_number)

{

account[acc\_no-1].available\_balance=

account[acc\_no-1].available\_balance+add\_money;

printf("\nThe New balance for account %d is %f \n",

acc\_no, account[acc\_no-1].available\_balance);

break;

}acc\_no++;

}

// Function to withdraw amount from an account

void Cash\_withdrawl()

{

auto int acc\_no;

float withdraw\_money;

printf("Enter account number you want to withdraw money:");

scanf("%d",&acc\_no);

printf("\nThe current balance for account %d is %f \n",

acc\_no, account[acc\_no-1].available\_balance);

printf("\nEnter money you want to withdraw from account ");

scanf("%f",&withdraw\_money);

while (acc\_no=account[acc\_no-1].acc\_number)

{

account[acc\_no-1].available\_balance=

account[acc\_no-1].available\_balance-withdraw\_money;

printf("\nThe New balance for account %d is %f \n",

acc\_no, account[acc\_no-1].available\_balance);

break;

}acc\_no++;

}