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C PROGRAMMING ON BANK MANAGEMENT SYSTEM

```c
#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;
```

```c
char f2f[50] = "http://fresh2refresh.com/"; num_acc=0;
while(1)
{
printf("\n***** Welcome to Bank Application *****\n");  printf("\nThis demo
program is brought you by %s",f2f); 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];
```

```c
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" ,
```

```c
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++;
}
```

SAMPLE BANK APPLICATION OUTPUT USING C PROGRAMMING CODE

```
***** Welcome to Bank Application *****

This demo program is brought you by http://fresh2refresh.com/
1. Create new account
2. Cash Deposit
3. Cash withdrawl
4. Account information
5. Log out
6. Clear the screen and display available options

Please enter any options (1/2/3/4/5/6) to continue : 1

Enter the bank name             : ICICI

Enter the bank branch           : Chennai

Enter the account holder name   : Thiyagarajan

Enter the account number(1 to 10): 1

Enter the account holder address : Namakkal

Account has been created successfully

Bank name               : ICICI
Bank branch             : Chennai
Account holder name     : Thiyagarajan
Account number          : 1
Account holder address  : Namakkal
Available balance       : 0.000000

***** Welcome to Bank Application *****

This demo program is brought you by http://fresh2refresh.com/
1. Create new account
2. Cash Deposit
3. Cash withdrawl
4. Account information
5. Log out
6. Clear the screen and display available options
```

```
Please enter any options (1/2/3/4/5/6) to continue : 2
Enter the account number you want to deposit money : 1

The current balance for account 1 is 0.000000

Enter money you want to deposit to the account :  5000

The New balance for account 1 is 5000.000000

***** Welcome to Bank Application *****

This demo program is brought you by http://fresh2refresh.com/
1. Create new account
2. Cash Deposit
3. Cash withdrawl
4. Account information
5. Log out
6. Clear the screen and display available options

Please enter any options (1/2/3/4/5/6) to continue : 4

Bank name                 : ICICI
Bank branch               : Chennai
Account holder name       : Thiyagarajan
Account number            : 1
Account holder address    : Namakkal
Available balance         : 5000.000000


***** Welcome to Bank Application *****

This demo program is brought you by http://fresh2refresh.com/
1. Create new account
2. Cash Deposit
3. Cash withdrawl
4. Account information
5. Log out
6. Clear the screen and display available options
```