

## Experiment no – 10

**Aim:** Create a mini project on “Bank management system” . The program should be menu driven

### Algorithm:

- i. Start
- ii. Enter number of customers record to enter
- iii. Read the number
- iv. Enter account number
- v. Enter name
- vi. Display Press 1 to deposit amount, Press 2 to withdraw amount, Press 0 to Exit.
- vii. Stop

### Code:

```
#include <stdio.h>

struct customer
{
int account_no;
char name[80];
int balance;
};

void accept(struct customer[], int);
int search(struct customer[], int, int);
void deposit(struct customer[], int, int, int);
void withdraw(struct customer[], int, int, int);

int main()
{
struct customer data[20];
int n, choice, account_no, amount, index;
printf("Banking System\n\n");
printf("Number of customer records you want to enter? :");
scanf("%d", &n);
accept(data, n);
do
{
```

```

printf("\nBanking System Menu:\n");
printf("Press 1 to deposit amount.\n");
printf("Press 2 to withdraw amount.\n");
printf("Press 0 to exit\n");
printf("\nEnter choice(0-4): ");
scanf("%d", &choice);
switch (choice)
{

case 1:
printf("Enter account number: ");
scanf("%d", &account_no);
printf("Enter amount to deposit: ");
scanf("%d", &amount);
deposit(data, n, account_no, amount);
break;

case 2:
printf("Enter account number: ");
scanf("%d",&account_no),
printf("Enter amount to withdraw :");
scanf("%d",&amount);
withdraw(data, n, account_no, amount);
}
}
while (choice != 0);
return 0;
}

void accept(struct customer list[80], int s)

```

```

{
    int i;
    for (i = 0; i < s; i++)
    {
        printf("\nEnter data for Record #%d", i + 1);
        printf("\nEnter account_no: ");
        scanf("%d", &list[i].account_no);
        printf("01-AlstonAlvares ");
        gets(list[i].name);
        list[i].balance = 0;
    }
}

int search(struct customer list[80], int s, int number)
{
    int i;
    for (i = 0; i < s; i++)
    {
        if (list[i].account_no == number)
        {
            return i;
        }
    }
    return -1;
}

void deposit(struct customer list[], int s, int number, int amt)
{
    int i = search(list, s, number);
    if (i == -1)
    {
        printf("Record not found");
    }
}

```

```
else
{
list[i].balance+=amt;
}
}

void withdraw(struct customer list[], int s, int number, int amt)
{
int i=search(list, s, number);
if(i== -1)
{
printf("Record not found\n");
}
else if (list[i].balance <amt)
{
printf("Insufficient balance\n");
}
else
{
list[i].balance-=amt;
}
}
```

## Output:

```
Banking System

Number of customer records you want to enter? :1

Enter data for Record #1
Enter account_no: 403
01-AlstonAlvares
Banking System Menu:
Press 1 to deposit amount.
Press 2 to withdraw amount.
Press 0 to exit

Enter choice(0-4): 0

...Program finished with exit code 0
Press ENTER to exit console.
```

```
Banking System

Number of customer records you want to enter? :1

Enter data for Record #1
Enter account_no: 403
01-AlstonAlvares
Banking System Menu:
Press 1 to deposit amount.
Press 2 to withdraw amount.
Press 0 to exit

Enter choice(0-4): 1
Enter account number: 403
Enter amount to deposit: 5000

Banking System Menu:
Press 1 to deposit amount.
Press 2 to withdraw amount.
Press 0 to exit

Enter choice(0-4): 2
Enter account number: 403
Enter amount to withdraw :1000

Banking System Menu:
Press 1 to deposit amount.
Press 2 to withdraw amount.
Press 0 to exit

Enter choice(0-4): 0

...Program finished with exit code 0
Press ENTER to exit console.
```