## 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 I 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 I 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
03-Sarabjeetsingh.
Banking System Menu:
Press I 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 I 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 I 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.
```