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SOURCE CODE:

```
#include <stdio.h>

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

void accept(struct customer[], int);
void display(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("Number of customer records you want to enter? : ");
    scanf("%d", &n);
    accept(data, n);
```

```
do
   {   printf("Press 1 to display all records.\n");
       printf("Press 2 to withdraw money.\n");
       printf("Press 3 to deposit money.\n");
       printf("Press 4 to search a customer.\n");
       printf("Press 0 to exit\n");
       scanf("%d", &choice);
       switch (choice)
       {
          case 1:
             display(data, n);
             break;
          case 4:
             printf("Enter account number to search : ");
             scanf("%d", &account_no);
             index = search(data,n,account_no);
             if (index==- 1)
                printf("Record not found : ");
             else
             {
                printf("A/c Number: %d\nName: %s\nBalance: %d\n",
                   data[index].account_no, data[index].name,
                   data[index].balance);
             }
             break;
          case 3:
             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);
      //fflush(stdin);
      printf("Enter name : ");
      scanf("%s",&list[i].name);
      printf("Enter amount: ");
      scanf("%d",&list[i].balance);
   }
}
```

```
void display(struct customer list[80], int s)
{
    int i;

    printf("\n\nA/c No\tName\tBalance\n");
    for (i = 0; i < s; i++)
    {
        printf("%d\t\t%s\t\t%d\n", list[i].account_no, list[i].name,
            list[i].balance);
    }
}

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:

1. Input screen:

```
Number of customer records you want to enter? : 2
Enter data for Record #1
Enter account_no : 101
Enter name : Krish
Enter amount: 1000000
Enter data for Record #2
Enter account_no : 102
Enter name : Mithilesh
Enter amount: 150
```

2. Main Menu:

```
Press 1 to display all records.
Press 2 to withdraw money.
Press 3 to deposit money.
Press 4 to search a customer.
Press 0 to exit
```

3. Display records:

```
1
A/c No  Name    Balance
101     Krish       1000000
102     Mithilesh       150
```

4. Withdraw amount:

```
2
Enter account number : 102
Enter amount to withdraw : 149
```

5. Record display after withdrawal:

```
1
A/c No  Name    Balance
101     Krish       1000000
102     Mithilesh       1
```

6. Deposit amount:

```
3
Enter account number : 101
Enter amount to deposit : 1000000
```

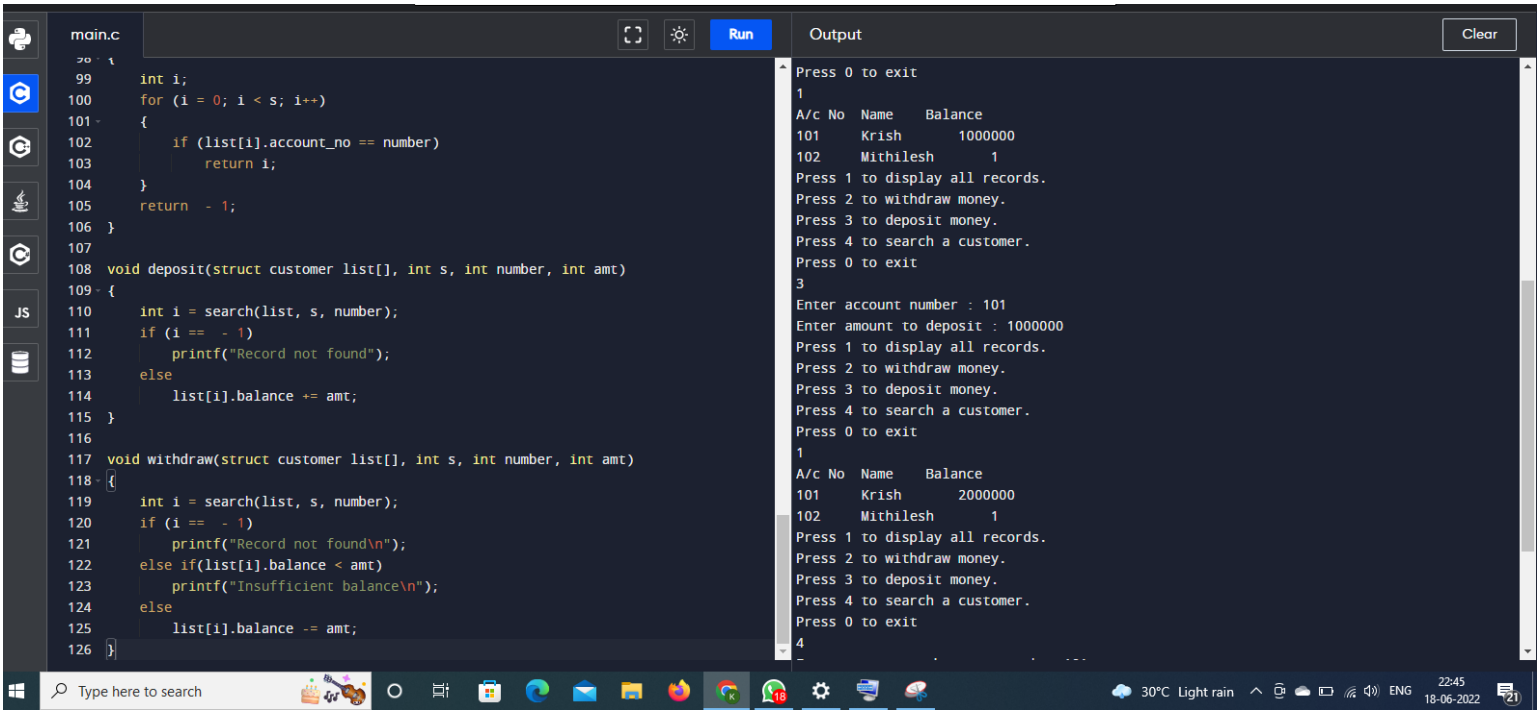
7. Record display after amount deposit:

```
1
A/c No  Name    Balance
101     Krish       2000000
102     Mithilesh       1
```

8. Search for a single record:

```
4
Enter account number to search : 101
A/c Number: 101
Name: Krish
Balance: 2000000
```

Screenshot:


main.c
Run
Output
Clear
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;
}
Press 0 to exit
1
A/c No Name Balance
101 Krish 1000000
102 Mithilesh 1
Press 1 to display all records.
Press 2 to withdraw money.
Press 3 to deposit money.
Press 4 to search a customer.
Press 0 to exit
3
Enter account number : 101
Enter amount to deposit : 1000000
Press 1 to display all records.
Press 2 to withdraw money.
Press 3 to deposit money.
Press 4 to search a customer.
Press 0 to exit
1
A/c No Name Balance
101 Krish 2000000
102 Mithilesh 1
Press 1 to display all records.
Press 2 to withdraw money.
Press 3 to deposit money.
Press 4 to search a customer.
Press 0 to exit
4
Type here to search
30°C Light rain
ENG
22:45
18-06-2022