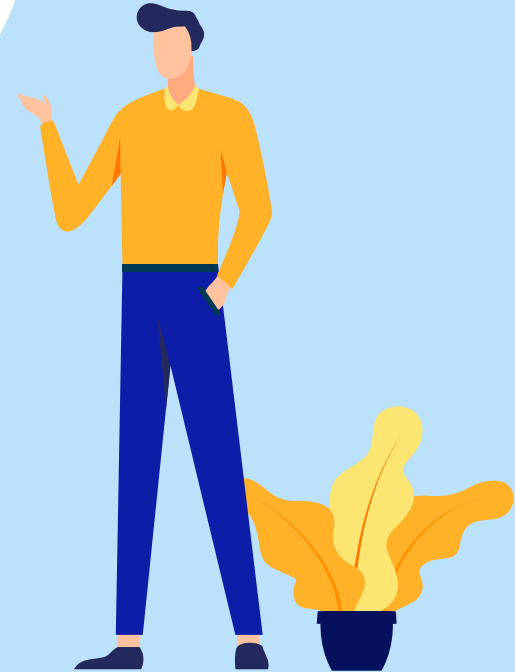# PPS MINI PROJECT

BANK MANAGEMENT SYSTEM

ANKIT SHETTY (RA2111003010865)

B2

DESCRIPTION

- Bank Management System is based on dot NET.
- It is used to keep the records of clients, employee etc in the bank.
- The bank management system is an application for maintaining the customers personal information within the account of the bank .
- The system provides the access to the customer to:-
    - create an account
    - deposit/withdraw the cash from his account
    - to view reports of all accounts present.
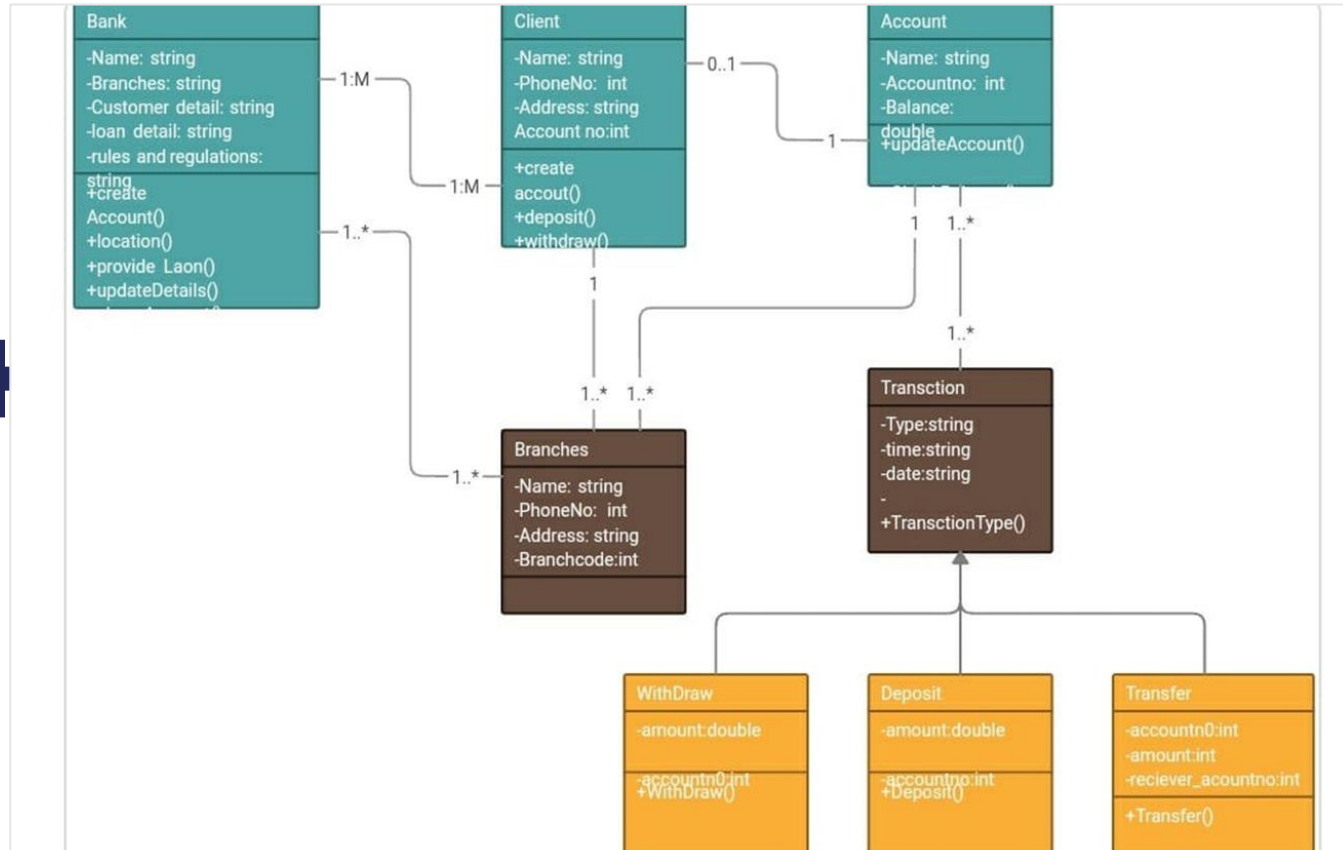- The following presentation provides the specification for the system.

ALGORITHM

1. Start.
2. Declare a structure name customer which includes variables account number, name, balance.
3. Declare the user defined functions such as display, accept, search, deposit, withdraw.
4. Declare variable, n, choice, account _no, amount index.
5. Use a do loop to display the list and use a switch case to collect input.
6. Display the declared result using functions.
7. Stop.

FLOWCHART

THE CODE

C bankmanagementsys.c ●

C Programs > C bankmanagementsys.c > ⬡ main()

```c
#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("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 display all records.\n");
        printf("Press 2 to search a record.\n");
        printf("Press 3 to deposit amount.\n");
        printf("Press 4 to withdraw amount.\n");
        printf("Press 0 to exit.\n");
```

```c
31          printf("Press 3 to deposit amount.\n");
32          printf("Press 4 to withdraw amount.\n");
33          printf("Press 0 to exit.\n");
34          printf("\nEnter choice(0-4) : ");
35          scanf("%d", &choice);
36          switch (choice)
37          {
38              case 1:
39                  display(data, n);
40                  break;
41              case 2:
42                  printf("Enter account number to search : ");
43                  scanf("%d", &account_no);
44                  index = search(data, n, account_no);
45                  if (index ==  - 1)
46                  {
47                      printf("Record not found : ");
48                  }
49                  else
50                  {
51                      printf("A/c Number: %d\nName: %s\nBalance: %d\n",data[index].account_no, data[index].name, data[index].balance);
52                  }
53                  break;
54              case 3:
55                  printf("Enter account number : ");
56                  scanf("%d", &account_no);
57                  printf("Enter amount to deposit : ");
58                  scanf("%d", &amount);
59                  deposit(data, n, account_no, amount);
60                  break;
61              case 4:
62                  printf("Enter account number : ");
63                  scanf("%d", &account_no);
```

```c
            case 4:
                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 : ");
        gets(list[i].name);
        list[i].balance = 0;
    }
}

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

Go   Run   Terminal   Help
● bankmanagementsys.c - Untitled (Workspace) - Visual Studio Code
C bankmanagementsys.c ●
C Programs > C bankmanagementsys.c > ⬡ main()

```c
 94        for (i = 0; i < s; i++)
 95        {
 96            printf("%d\t%s\t%d\n", list[i].account_no, list[i].name, list[i].balance);
 97        }
 98    }
 99
100    int search(struct customer list[80], int s, int number)
101    {
102        int i;
103
104        for (i = 0; i < s; i++)
105        {
106            if (list[i].account_no == number)
107            {
108                return i;
109            }
110        }
111        return  - 1;
112    }
113
114    void deposit(struct customer list[], int s, int number, int amt)
115    {
116        int i = search(list, s, number);
117        if (i ==  - 1)
118        {
119            printf("Record not found");
120        }
121        else
122        {
123            list[i].balance += amt;
124        }
125    }
126
```

C bankmanagementsys.c ●

C Programs > C bankmanagementsys.c > ◈ main()

94   for (i = 0; i < s; i++)

PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL

```
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows

PS C:\Users\Ishaan Manhas\Documents\C Programs> cd "c:\Users\Ishaan Manhas\Documents\C Programs\" ; if ($?) { gcc bankmanagementsys.c -o bankmanagementsys } ; if ($?) { .\bankma
nagementsys }
Banking System

Number of customer records you want to enter? : 2

Enter data for Record #1
Enter account_no : 1
Enter name : Ishaan Manhas

Enter data for Record #2
Enter account_no : 2
Enter name : Rahul Nair

Banking System Menu :
Press 1 to display all records.
Press 2 to search a record.
Press 3 to deposit amount.
Press 4 to withdraw amount.
Press 0 to exit.

Enter choice(0-4) : 3
Enter account number : 2
Enter amount to deposit : 1000

Banking System Menu :
Press 1 to display all records.
Press 2 to search a record.
Press 3 to deposit amount.
Press 4 to withdraw amount.
Press 0 to exit.

Enter choice(0-4) : 1
```
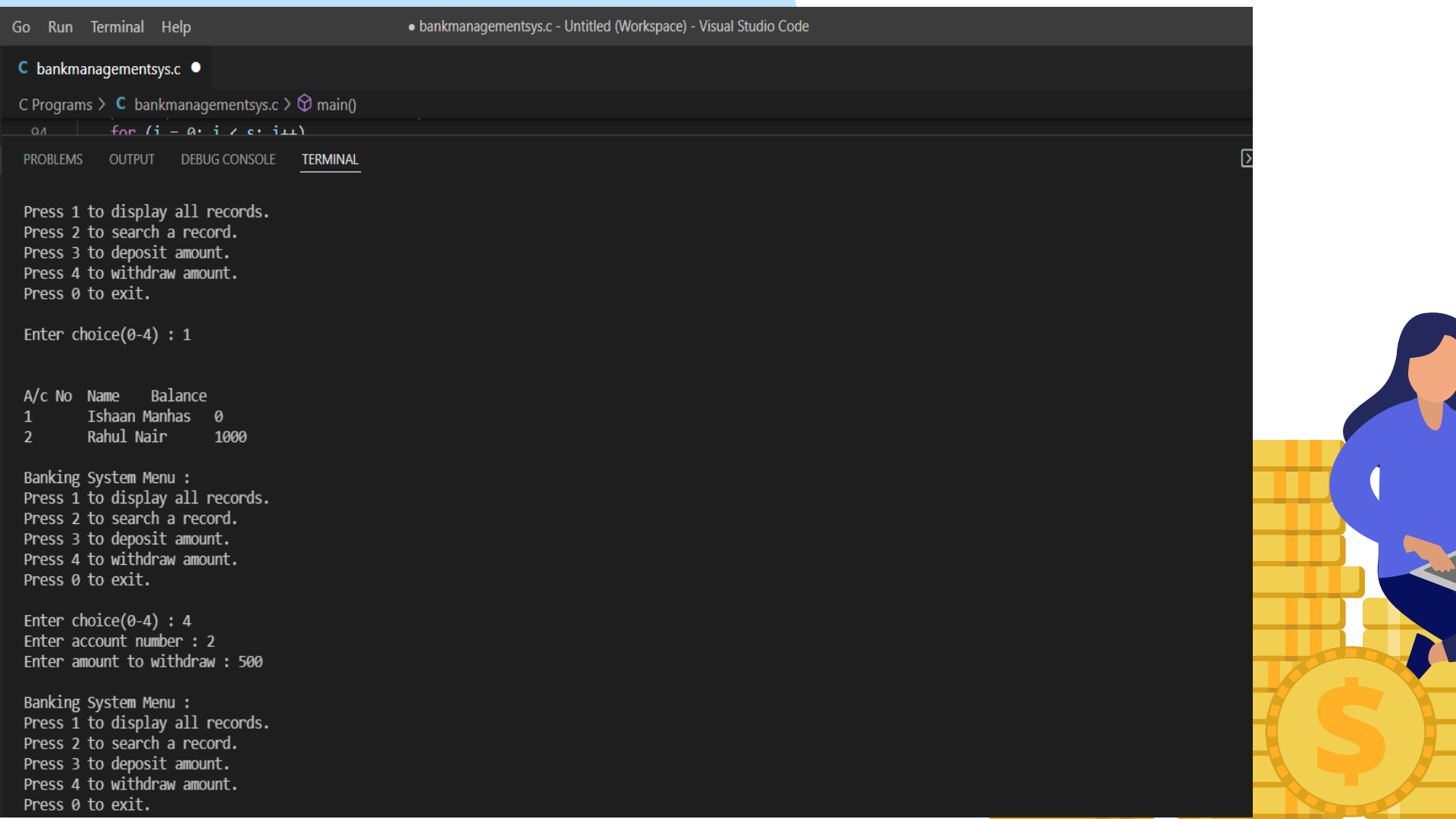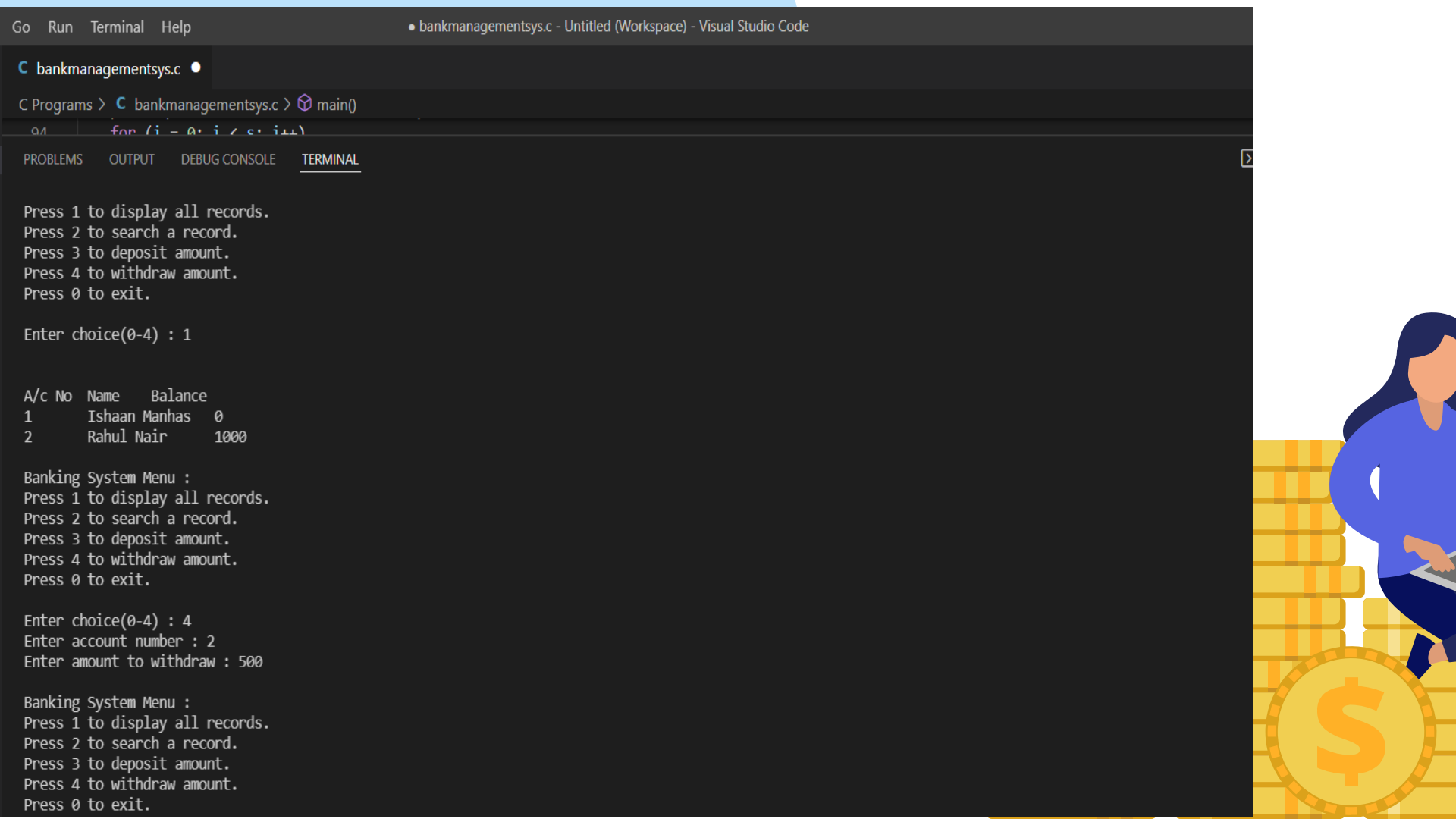
```
94        for (i = 0; i < s; i++)
```

PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL

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

Enter choice(0-4) : 1


A/c No  Name     Balance
1       Ishaan Manhas   0
2       Rahul Nair      1000

Banking System Menu :
Press 1 to display all records.
Press 2 to search a record.
Press 3 to deposit amount.
Press 4 to withdraw amount.
Press 0 to exit.

Enter choice(0-4) : 4
Enter account number : 2
Enter amount to withdraw : 500

Banking System Menu :
Press 1 to display all records.
Press 2 to search a record.
Press 3 to deposit amount.
Press 4 to withdraw amount.
Press 0 to exit.
```

```
Enter choice(0-4) : 4
Enter account number : 2
Enter amount to withdraw : 500

Banking System Menu :
Press 1 to display all records.
Press 2 to search a record.
Press 3 to deposit amount.
Press 4 to withdraw amount.
Press 0 to exit.

Enter choice(0-4) : 1


A/c No  Name     Balance
1       Ishaan Manhas   500
2       Rahul Nair      500

Banking System Menu :
Press 1 to display all records.
Press 2 to search a record.
Press 3 to deposit amount.
Press 4 to withdraw amount.
Press 0 to exit.

Enter choice(0-4) : 0
PS C:\Users\Ishaan Manhas\Documents\C Programs>
```
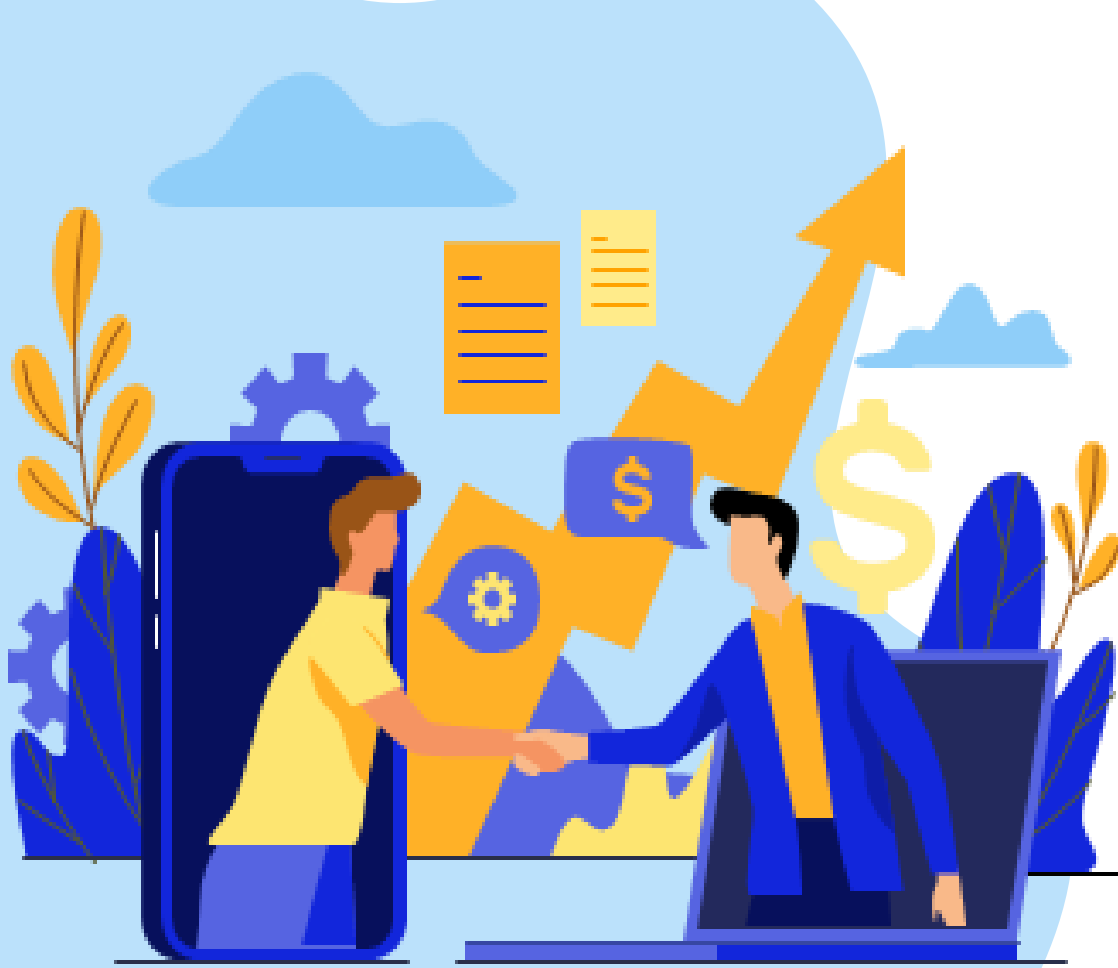
THANK YOU