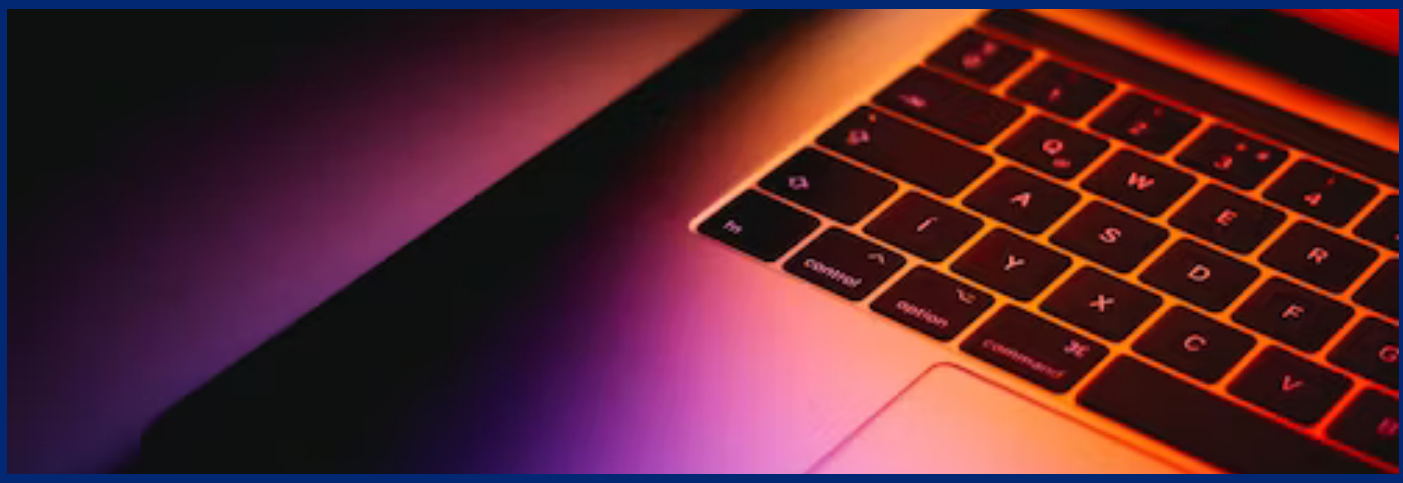
C PROJECT REPORT



2022-23

Name- Debanjan Shome
Sec- A : Roll- 41
Enroll. No.- 12022002002010
Year- 2022-23
Project On- C_lab

Description of diff. elements of the project

This is a simple implementation of a bank management system using C programming language. The program uses an array of structs to store customer details, including account number, name, and balance. The program provides four options to manage bank accounts, including creating a new account, depositing, withdrawing, and viewing the balance of an existing account.
The program starts by declaring a struct called `Customer` that has three fields - `accountNumber`, `name`, and `balance`. Then, it defines five functions:

1. `createAccount` - This function creates a new account and adds it to the `customers` array. It takes two arguments, a pointer to the `customers` array and a pointer to the `count` variable that keeps track of the number of customers in the array.

2. `deposit` - This function deposits money into an existing account. It takes two arguments, the `customers` array and the `count` variable.

3. `withdraw` - This function withdraws money from an existing account. It takes two arguments, the `customers` array and the `count` variable.

4. `viewBalance` - This function displays the balance of an existing account. It takes two arguments, the `customers` array and the `count` variable.

5. `main` - This function is the entry point of the program. It first declares an array of `Customer` structs called `customers` and initializes the `count` variable to zero. It then displays a menu of options to the user and prompts the user to enter a choice. Depending on the user's choice, it calls one of the four functions or exits the program.

Overall, this is a simple implementation of a bank management system that allows users to create, deposit, withdraw, and view the balance of bank accounts. However, there is no data persistence in this program, meaning that all data is lost when the program exits.

SNIPPETS of the PROGRAMME

```
C:\Users\deban\OneDrive\Desktop\C\Sem2-Projects>a
Bank Management System

Select an option:
1. Create an account
2. Deposit
3. Withdraw
4. View balance
5. Exit
Enter your choice: 1
Enter customer details:
Account Number: 100
Customer Name: Debanjan Shome
Initial Balance: 1000
Account created successfully.

Select an option:
1. Create an account
2. Deposit
3. Withdraw
4. View balance
5. Exit
Enter your choice: 2
Enter the account number: 100
Enter the amount to deposit: 10
Amount deposited successfully.
Updated balance: 1010.00

Select an option:
1. Create an account
2. Deposit
3. Withdraw
4. View balance
5. Exit
Enter your choice: 3
Enter the account number: 100
Enter the amount to withdraw: 25
Amount withdrawn successfully.
Updated balance: 985.00

Select an option:
1. Create an account
2. Deposit
3. Withdraw
4. View balance
5. Exit
Enter your choice:
```

```
Select an option:
1. Create an account
2. Deposit
3. Withdraw
4. View balance
5. Exit
Enter your choice: 4
Enter the account number: 101
Account Number: 101
Customer Name: Agnik Sarkar
Current Balance: 100.00
```

```
Select an option:
1. Create an account
2. Deposit
3. Withdraw
4. View balance
5. Exit
Enter your choice: 5
Thank you for using the bank management system.
```

```
C:\Users\deban\OneDrive\Desktop\C\Sem2-Projects>a
Bank Management System

Select an option:
1. Create an account
2. Deposit
3. Withdraw
4. View balance
5. Exit
Enter your choice: 6
Invalid choice. Please try again.

Select an option:
1. Create an account
2. Deposit
3. Withdraw
4. View balance
5. Exit
Enter your choice: 5
Thank you for using the bank management system.
```