

OOP TUTORIAL 1

Name:Varad Tanawade

PRN:B25CE1076

CODE:

```
#include<iostream>
using namespace std;
class bank_account{
private:
    string name;
    string account_type;
    int account_number;
    float balance;
public:
    void deposit(void);
    void withdraw(void);
    void display(void);
    bank_account(string n,string at,int an,float bal)
    {
        name=n;
        account_type=at;
        account_number=an;
        balance=bal;
    }
};

void bank_account::display(){
    cout<<"\nName:"<<name;
    cout<<"\nAccount Type:"<<account_type;
    cout<<"\nAccount Number:"<<account_number;
    cout<<"\nBalance:"<<balance;
};

void bank_account::withdraw(){
    float withdraw_amount; // local variable
    cout<<"\n\nEnter Withdraw Amount:";
    cin>>withdraw_amount;
    balance-=withdraw_amount;
    cout<<"\nRemaining Balance:"<<balance;
};

void bank_account::deposit(){
    float deposit_amount; // local variable
    cout<<"\n\nEnter Deposit Amount:";
    cin>>deposit_amount;
    balance+=deposit_amount;
    cout<<"\nRemaining Balance:"<<balance;
```

```

};
int main(){
    string n;
    cout<<"Enter name:";
    cin>>n;
    string at;
    cout<<"Enter Account Type:";
    cin>>at;
    int an;
    cout<<"Enter Account Number:";
    cin>>an;
    float bal;
    cout<<"Enter Balance:";
    cin>>bal;
    bank_account obj1(n,at,an,bal);
    int choice;
    obj1.display();
    do{
        cout << "\n\nSelect an option:";
        cout << "\n1. Deposit";
        cout << "\n2. Withdraw";
        cout << "\n3. Display Account Details";
        cout << "\n4. Exit";
        cout << "\nEnter your choice: ";
        cin >> choice;
        switch(choice){
            case 1:
                obj1.deposit();
                break;
            case 2:
                obj1.withdraw();
                break;
            case 3:
                obj1.display();
                break;
            case 4:
                cout << "\n Exiting the system \n";
                break;
        }
    }while(choice!=4);
    return 0;
};

```

OUTPUT:

Enter name:Varad
Enter Account Type:Savings
Enter Account Number:1234
Enter Balance:5000

Name:Varad
Account Type:Savings
Account Number:1234
Balance:5000

Select an option:
1. Deposit
2. Withdraw
3. Display Account Details
4. Exit
Enter your choice: 1

Enter Deposit Amount:1000

Remaining Balance:6000

Select an option:
1. Deposit
2. Withdraw
3. Display Account Details
4. Exit
Enter your choice: 2

Enter Withdraw Amount:2000

Remaining Balance:4000

Select an option:
1. Deposit
2. Withdraw
3. Display Account Details
4. Exit
Enter your choice: 3

Name:Varad
Account Type:Savings
Account Number:1234
Balance:4000

Select an option:

1. Deposit
2. Withdraw
3. Display Account Details
4. Exit

Enter your choice: 4

Exiting the system

=== Code Execution Successful ===