

## OOP TUTORIAL 1

**Name:Varad Tanawade**

**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 ===