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\*B25CE2007

OOP assignment

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#include <iostream>

using namespace std;

class bank\_account

{

private:

string name;

string account\_type;

int account\_number;

float balance;

float withdraw\_amount;

float deposit\_amount;

public:

bank\_account(string n, string at, int an, float bal)

{

name = n;

account\_type = at;

account\_number = an;

balance = bal;

}

void deposit();

void withdraw();

void display();

};

void bank\_account::display()

{

cout << "\nName: " << name;

cout << "\nAccount Type: " << account\_type;

cout << "\nAccount Number: " << account\_number;

cout << "\nBalance: " << balance << endl;

}

void bank\_account::withdraw()

{

cout << "\nEnter Withdraw Amount: ";

cin >> withdraw\_amount;

if (withdraw\_amount > balance)

{

cout << "\nInsufficient Balance! Withdrawal Denied." << endl;

}

else

{

balance -= withdraw\_amount;

cout << "\nRemaining Balance: " << balance << endl;

}

}

void bank\_account::deposit()

{

cout << "\nEnter Deposit Amount: ";

cin >> deposit\_amount;

balance += deposit\_amount;

cout << "\nRemaining Balance: " << balance << endl;

}

int main()

{

string n, at;

int an;

float bal;

cout << "Enter name: ";

cin >> n;

cout << "Enter Account Type: ";

cin >> at;

cout << "Enter Account Number: ";

cin >> an;

cout << "Enter Balance: ";

cin >> bal;

bank\_account objl(n, at, an, bal);

int choice;

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:

objl.deposit();

break;

case 2:

objl.withdraw();

break;

case 3:

objl.display();

break;

case 4:

cout << "\nExiting the system\n";

break;

default:

cout << "\nInvalid choice. Please try again.\n";

}

} while (choice != 4);

return 0;

}

**OUTPUT :**

Enter name: Anuja Salunkhe

Enter Account Type: 2

Enter Account Number: 1111

Enter Balance: 5000

Select an option:

1. Deposit

2. Withdraw

3. Display Account Details

4. Exit

Enter your choice:1

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: Anuja Salunkhe

Account Type: 2

Account Number: 1111

Balance: 4000

Select an option:

1. Deposit

2. Withdraw

3. Display Account Details

4. Exit

Enter your choice: