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**Class:-**SY-2

**PRN:-**B25CE2015

**Assignment No:-1**

**Title:** Operations on Bank Account

**Problem Statement**:-Implement a class to illustrate working of a bank account of a customer that consists of the following members.

**INPUT:-**

#include <iostream>

#include <string>

using namespace std;

class bank {

string name, atype;

int ano;

int bal;

public:

// Constructor

bank(int no, string n, string t, int b) {

ano = no;

name = n;

atype = t;

bal = b;

}

// Default constructor

bank() {

ano = 0;

name = "";

atype = "";

bal = 0;

}

// Get account info

void getinfo() {

cout << "Enter Account no.: ";

cin >> ano;

cout << "Enter account type: ";

cin >> atype;

cout << "Enter Name: ";

cin >> name;

cout << "Enter balance amount: ";

cin >> bal;

}

// Deposit money

void deposit() {

int amt;

cout << "Initial balance is: " << bal << endl;

cout << "Enter the amount to deposit: ";

cin >> amt;

bal = bal + amt;

cout << "New balance is: " << bal << endl;

}

// Withdraw money

void withdraw() {

int amt;

cout << "Initial balance is: " << bal << endl;

cout << "Enter the amount to withdraw: ";

cin >> amt;

if (amt > bal) {

cout << "Insufficient balance!" << endl;

} else {

bal = bal - amt;

cout << "New balance is: " << bal << endl;

}

}

// Display account details

void display() {

cout << "\nAccount No.: " << ano

<< "\nName: " << name

<< "\nAccount Type: " << atype

<< "\nBalance: " << bal << endl;

}

};

// Main function

int main() {

bank b1;

b1.getinfo();

int choice;

do {

cout << "\n----- MENU -----\n";

cout << "1. Deposit\n2. Withdraw\n3. Display\n4. Exit\n";

cout << "Enter your choice: ";

cin >> choice;

switch (choice) {

case 1:

b1.deposit();

break;

case 2:

b1.withdraw();

break;

case 3:

b1.display();

break;

case 4:

cout << "Exiting..." << endl;

break;

default:

cout << "Invalid choice!" << endl;

}

} while (choice != 4);

return 0;

}

**OUTPUT:-**

Enter Account no.: 23577

Enter account type: save

Enter Name: Vedantika

Enter balance amount: 120000

----- MENU -----

1. Deposit

2. Withdraw

3. Display

4. Exit

Enter your choice: 1

Initial balance is: 120000

Enter the amount to deposit: 2000

New balance is: 122000

----- MENU -----

1. Deposit

2. Withdraw

3. Display

4. Exit

Enter your choice: 2

Initial balance is: 122000

Enter the amount to withdraw: 220000

Insufficient balance!

----- MENU -----

1. Deposit

2. Withdraw

3. Display

4. Exit

Enter your choice: 3

Account No.: 23577

Name: Vedantika

Account Type: save

Balance: 122000

----- MENU -----

1. Deposit

2. Withdraw

3. Display

4. Exit