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PRN - B24CE1079
Subject - Object oriented Programming

CODE

```cpp
#include<iostream>
#include<string>
using namespace std;

class bank_account
{
 private:
   string name;
   string account_type;
   int account_number;
   float balance;

 public:
    bank_account(string n, string at, int acc, float bal)
   {
     name = n;
     account_type = at;
     account_number = acc;
     balance = bal;
   }
   void deposit(float);
   void withdraw(float);
   void display();
};

void bank_account::deposit(float amt)
{
   balance += amt;
   cout << "\n" << amt << " deposited successfully.";
}

void bank_account::withdraw(float amt)
{
   if (amt <= balance) {
      balance -= amt;
      cout << "\n" << amt << " withdrawn successfully.";
   } else {
       cout << "\nInsufficient Balance!";
```

```cpp
    }
}
void bank_account::display() {
    cout << "\n~~ Account Details ~~\n";
    cout << "Name of the customer: " << name << endl;
    cout << "Account type: " << account_type << endl;
    cout << "Account number: " << account_number << endl;
    cout << "Available balance amount: " << balance << endl;
}

int main() {
    int choice, acc;
    float amount, bal;
    char ch;
    float rupees;
    string n, at;

    cout << "Enter the account holder name:";
    cin.ignore();
    getline(cin, n);
    cout << "Enter account type:";
    cin >> at;
    cout << "Enter account number:";
    cin >> acc;
    cout << "Enter available balance amount:";
    cin >> bal;

    bank_account obj1(n, at, acc, bal);

    do {
        cout << "\n----- Bank Account Menu ------\n";
        cout << "1. Display Account details\n";
        cout << "2. Deposit amount\n";
        cout << "3. Withdraw amount\n";
        cout << "4. Exit\n";
        cout << "Enter your choice: ";
        cin.clear(); cin.ignore(1000, '\n'); // Fix: flush input buffer
        cin >> choice;

        switch (choice) {
            case 1:
                cout << "Display account details:\n";
                obj1.display();
                break;
```

```cpp
            case 2:
                cout << "Enter deposited amount:\n";
                cin >> amount;
                obj1.deposit(amount);
                break;
             case 3:
                cout << "Enter withdraw amount:\n";
                cin >> rupees;
                obj1.withdraw(rupees);
                obj1.display();
                break;

            case 4:
                cout << "Exit\n"; break;

            default:
                cout << "Invalid choice!\n";
                break;
        }
        cout << "Do you want to continue (Yes/No):";
        cin >> ch;

    } while (ch == 'Y' || ch == 'y');

  return 0;
}
```

```
Enter the account holder name:srushti
Enter account type:abc
Enter account number:273
Enter available balance amount:27352

----- Bank Account Menu ------
1. Display Account details
2. Deposit amount
3. Withdraw amount
4. Exit
Enter your choice: 1
Display account details:

~~ Account Details ~~
Name of the customer:srushti
Account type: abc
Account number: 273
Available balance amount: 27352
Do you want to continue (Yes/No):y

----- Bank Account Menu ------
1. Display Account details
2. Deposit amount
3. Withdraw amount
4. Exit
Enter your choice: 2
Enter deposited amount:
250

250 deposited successfully.Do you want to continue (Yes/No):y
```

```
----- Bank Account Menu ------
1. Display Account details
2. Deposit amount
3. Withdraw amount
4. Exit
Enter your choice: 3
Enter withdraw amount:
100

100 withdrawn successfully.
~~ Account Details ~~
Name of the customer: rushti
Account type: abc
Account number: 273
Available balance amount: 27502
Do you want to continue (Yes/No):y

----- Bank Account Menu ------
1. Display Account details
2. Deposit amount
3. Withdraw amount
4. Exit
Enter your choice: 4
Exit
Do you want to continue (Yes/No):n
```