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Branch: Computer Technology

Section: B

Roll No. 140

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Subject: Object Oriented Programming Lab

Practical-1

- **Problem Definition:**

  Write a program to deposit and withdraw the amount from the account. Write the deposit and withdraw methods in the account class. Customer is having with name, account number and amount. Consider all the validations required for depositing and withdrawal of amount. Print the details of the account holder.

- **Program:**

```java
class Account{
    String AcName;
    double Amount;
    int AccNumber;
    public Account(int accNumber, String HoldersName, double amount){      //constructor
        AcName= HoldersName;
        AccNumber=accNumber;
        Amount= amount;
    }
    public void Withdraw(double withdrawAmount){                     //method
        if(Amount - withdrawAmount < 0){
            System.out.println("Rs." + withdrawAmount + " cannot be withdrawn from your
account.\n");
        }
        else{
            Amount=Amount-withdrawAmount;
            System.out.println("Rs." + withdrawAmount + " is debited from your account.\n");
        }
    }
    public void Deposit(double depoAmount){
        if(depoAmount>0){                         //method
            Amount=Amount+depoAmount;
            System.out.println("Rs." + depoAmount+ " is credited to your account.\n");
        }else{
```

```java
                System.out.println("Deposition Failed!!!!");
            }
        }

    public void ShowDetail(){
        System.out.println("Account Number - "+ AccNumber);
        System.out.println("Account Holder's Name - " + AcName);
        System.out.println("Current Account Balance - Rs. "+ Amount + "\n");
    }
}

public class Practical1{
    public static void main(String[] args) {
        Account C1= new Account(45787893, "Rajesh Yelsattiwar", 45000.0);
        C1.ShowDetail();
        C1.Deposit(5000);
        C1.ShowDetail();
        C1.Withdraw(5000);
        C1.ShowDetail();
    }
}
```

- **Output:**

```
Account Number - 45787893
Account Holder's Name - Rajesh Yelsattiwar
Current Account Balance - Rs. 45000.0

Rs.5000.0 is credited to your account.

Account Number - 45787893
Account Holder's Name - Rajesh Yelsattiwar
Current Account Balance - Rs. 50000.0

Rs.5000.0 is debited from your account.

Account Number - 45787893
Account Holder's Name - Rajesh Yelsattiwar
Current Account Balance - Rs. 45000.0
```
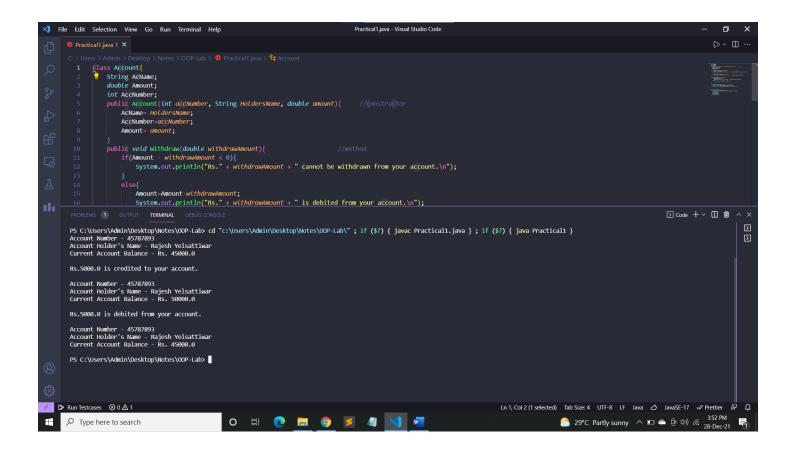
- **Screenshot:**

- **Result:**

  By studying implementation of concept of Class and its data members and member functions in Java, I have successfully completed Practical-1.