

WEEK 5 BANK ACCOUNT JAVA

Source code: -

```
import
    java.util.Scanner;

class Account{

    public static int min=500;

    String name;

    int acc_num;

    public float price;

    Scanner sc=new Scanner(System.in);

    public void get_info()
    {

        System.out.println("Enter Name:");

        name=sc.nextLine();

        System.out.println("Enter Account Number:");

        acc_num=sc.nextInt();

        System.out.println("Enter opening amount (must>500):");

        price=sc.nextFloat();

        if(price<500)

            System.out.println("Enter opening amount
(must>500):");

    }

    public void show()
    {

        System.out.println("Name:"+name);

        System.out.println("Account_number:"+acc_num);

        System.out.println("Amount:"+price);

    }

}
```

```

}

class Current extends Account{
    float dep,wit,penalty;
    public void deposit()
    {
        System.out.println("Eneter Ammount to deposit") ;
        dep=sc.nextFloat();
        show();
        price+=dep;
        System.out.println("Total Amount is :"+price);
    }
    public void check_Bal()
    {
        if(price<min)
            price-=150;
        System.out.println("Account balance is:"+price);
    }
    public void withdraw_Bal()
    {
        System.out.println("Enter Amount to withdraw");
        wit=sc.nextFloat();
        show();
        if(wit<price)
        {
            price-=wit;
            System.out.println("After withdawal balance
amount:"+price);
        }
        else
            System.out.println("Insufficient Balance");
        check_Bal();
    }
}

```

```

}

class Savings extends Account{
    float dep,wit,intr;

    public void deposit()
    {
        System.out.println("Enter amount to be deposited:");
        dep=sc.nextFloat();

        show();

        price+=dep;

        System.out.println("Total Amount:"+price);
    }

    public void check_intr()
    {
        intr=price*2/100;

        price+=intr;

        System.out.println("Total amount with interest:"+price);
    }

    public void withdraw_Bal()
    {
        System.out.println("Enter amount to withdraw:");
        wit=sc.nextFloat();

        show();

        if(wit<price)
        {
            price-=wit;

            System.out.println("After withdrawal balance
amount:"+price);
        }
        else
            System.out.println("Insufficient Balance");
    }
}

```

```

class labprog5{
    public static void main(String args[]){
        String ch;
        int co=0;
        Scanner sc=new Scanner(System.in);
        Current cl=new Current();
        Savings sl=new Savings();
        System.out.println("Choose Account Type:");
        System.out.println("Press c for Current Account:");
        System.out.println("Press s for Saving Account:");
        ch=sc.next();
        if(ch.equalsIgnoreCase("c"))
        {
            cl.get_info();
            cl.check_Bal();
            while(co!=4)
            {
                System.out.println("1.Display\n2.Deposit\n3.Withdraw\n4.Exit");
                System.out.println("Enter Your Coice");
                int cho=sc.nextInt();
                switch(cho)
                {
                    case 1: cl.show();
                    break;
                    case 2: cl.deposit();
                    break;
                    case 3: cl.withdraw_Bal();
                    break;
                    case 4: System.exit(0);
                    break;
                    default: System.out.println("Wrong
Choice");

```

```

        }
    }
}
else if(ch.equalsIgnoreCase("s"))
{
    s1.get_info();
    while(co!=5)
    {

System.out.println("1.Display\n2.Deposit\n3.Withdraw\n4.Intrest\n5.Exit")
;

        System.out.println("Enter Your Coice");
        int cho=sc.nextInt();
        switch(cho)
        {
            case 1: s1.show();
            break;
            case 2: s1.deposit();
            break;
            case 3: s1.withdraw_Bal();
            break;
            case 4: s1.check_intr();
            break;
            case 5: System.exit(0);
            break;
            default: System.out.println("Wrong
Choice");
        }
    }
}
else
    System.out.println("Wrong choice!");
}

```

```
}
```

OUTPUT:-

```
at banks.main(banks.java:128)
PS C:\Users\Admin\Desktop\1BM21CS247> cd "c:\Users\Admin\Desktop\1BM21CS247\" ; if ($?) { javac banks.java } ; if ($?) { java banks }
Choose Account Type:
Press c for Current Account:
Press s for Saving Account:
c
Enter Name:
Siddharth
Enter Account Number:
2222
Enter opening amount (must>500):
10000
Account balance is:10000.0
1.Display
2.Deposit
3.Withdraw
4.Exit
Enter Your Coice
2
Eneter Ammount to deposit
1.Display
2.Deposit
3.Withdraw
4.Exit
Enter Your Coice
3
Enter Amount to withdraw
1000
Name:Siddharth
Account_number:2222
Amount:20000.0
After withdawal balance amount:19000.0
Account balance is:19000.0
1.Display
2.Deposit
3.Withdraw
4.Exit
Enter Your Coice
1
Name:Siddharth
Account_number:2222
Amount:19000.0
1.Display
2.Deposit
3.Withdraw
4.Exit
Enter Your Coice
4
PS C:\Users\Admin\Desktop\1BM21CS247> |
```

```
PS C:\Users\Admin\Desktop\1BM21CS247> cd "c:\Users\Admin\Desktop\1BM21CS247\" ; if ($?) { javac banks.java } ; if ($?) { java banks }
Choose Account Type:
Press c for Current Account:
Press s for Saving Account:
s
Enter Name:
Siddharth
Enter Account Number:
2222
Enter opening amount (must>500):
10000
1.Display
3.Withdraw
4.Intrest
5.Exit
Enter Your Coice
2
Enter amount to be deposited:
20000
Name:Siddharth
Account_number:2222
Amount:10000.0
Total Amount:30000.0
1.Display
2.Deposit
3.Withdraw
4.Intrest
5.Exit
Enter Your Coice
3
Enter amount to withdraw:
500
Name:Siddharth
Account_number:2222
Amount:30000.0
After withdrawal balance amount:29500.0
```

```
1.Display
2.Deposit
3.Withdraw
4.Intrest
5.Exit
Enter Your Coice
4
Total amount with interest:30090.0
```

```
1.Display
2.Deposit
3.Withdraw
4.Intrest
5.Exit
Enter Your Coice
1
Name:Siddharth
Account_number:2222
Amount:30090.0
```

```
1.Display
2.Deposit
3.Withdraw
4.Intrest
5.Exit
Enter Your Coice
5
```

```
PS C:\Users\Admin\Desktop\1BM21CS247> |
```