WEEK 5

```
import java.util.Scanner;
import java.lang.*;
class Account {
public static int min=500;
String name;
int Account_num;
public float o_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:");
        Account_num=sc.nextInt();
        System.out.println("Enter opening Ammount must>500:");
        o_Price=sc.nextFloat();
        if(o_Price <500)
        {
        System.out.println("Enter opening Ammount must>500:");
        }
 }
public void show()
 {
 System.out.println("Name:"+name);
 System.out.println("Account_number:"+Account_num);
 System.out.println("Ammount:"+o_Price);
 }
}


class Current extends Account
 {
 float deposit,withdraw,penality;
 public void deposit()
  {
   System.out.println("Eneter Ammount to deposit") ;
   deposit =sc.nextFloat();
   show();
   o_Price=o_Price+deposit;
   System.out.println("Total Ammount is :"+o_Price) ;
  }
public void check_Bal()
```

```
 {
   if(o_Price<min)
{
   o_Price=o_Price-150;
   System.out.println("You have debited ammount 150 from your acccount Account balance
is:"+o_Price);
}
  }
   public void withdraw_Bal()
   {
          System.out.println("Enter Ammount to withdraw");
          withdraw=sc.nextFloat();
          show();
          if(withdraw<o_Price)
    {
      o_Price=o_Price-withdraw;
      System.out.println("After withdrawal Balance "+o_Price);
           }
else
 {
  System.out.println("Insufficient balance can not be less than 500");
}
check_Bal();
}
}


class Saving extends Account
 {
 float deposit,withdraw,intr;
 public void deposit()
  {
          System.out.println("Eneter Ammount to deposit") ;
          deposit =sc.nextFloat();
          show();
          o_Price=o_Price+deposit;
          System.out.println("Total Ammount is :"+o_Price) ;
   }
 public void check_intrest()
 {
 intr=(o_Price*2)/100;
 o_Price=o_Price+intr;
 System.out.println("Total Ammount with intrest is :"+o_Price) ;
 }
```

```
 public void withdraw_Bal()
 {
   System.out.println("Enter Ammount to withdraw:");
   withdraw=sc.nextFloat();
   show();
  if(withdraw<o_Price)
{
 o_Price=o_Price-withdraw;
System.out.println("After withdrawal Balance "+o_Price);
}
else{
System.out.println("Insufficient Balance!");
}
}
}

public class Bank
{
 static String ch;
 public static void main(String[] args)
{
 int count=0;
 Scanner sc=new Scanner(System.in);
 Current cu=new Current ();
 Saving sav=new Saving ();
 System.out.println("Choose Account type:");
 System.out.println("Press c for Current Account:");
 System.out.println("Press s for Saving Account:");
 ch=sc.nextLine();
 if(ch.equalsIgnoreCase("c"))
  {
          cu.get_info();
          cu.check_Bal();
          while(count!=4)
     {
                              System.out.println("1.Display\n2.Deposit\n3.Withdraw\n4.Exit\nCheque
book facility available");
          System.out.println("Enter Your Coice");
          int cho=sc.nextInt();
          switch(cho)
          {
          case 1: cu.show();
                          break;
          case 2: cu.deposit();
```

```
                break;
        case 3: cu.withdraw_Bal();
                break;
        case 4: System.exit(0);
                break;
        default:System.out.println("Wrong Choce!");
        }
        }
  }

else if(ch.equalsIgnoreCase("s"))
 {
   sav.get_info();
        while(count!=5)
        {
                System.out.println("1.Display\n2.Deposit\n3.Withdraw\n4Intrest\n5.Exit\nCheque
book facility not available");
        System.out.println("Enter Your Coice");
        int cho=sc.nextInt();
        switch(cho)
                 {
                        case 1: sav.show();
                                  break;
                  case 2: sav.deposit();
                break;
                  case 3: sav.withdraw_Bal();
                break;
                        case 4: sav.check_intrest();
                break;
                                  case 5: System.exit(0);
                break;
                default:System.out.println("Wrong Choce!");
        }
        }
  }
else
 {
  System.out.println("Wrong choice!");
 }
 }
}
```

OUTPUT

Command Prompt - java Bank

```
C:\Users\Admin\Desktop\Student files\1bm21cs253>javac Bank.java

C:\Users\Admin\Desktop\Student files\1bm21cs253>java Bank
Choose Account type:
Press c for Current Account:
Press s for Saving Account:
c
Enter Name:
abc
Enter Account Number:
101
Enter opening Ammount must>500:
1000
1.Display
2.Deposit
3.Withdraw
4.Exit
Cheque book facility available
Enter Your Coice
3
Enter Ammount to withdraw
2000
Name:abc
Account_number:101
Ammount:1000.0
Insufficient balance can not be less than 500
1.Display
2.Deposit
3.Withdraw
4.Exit
Cheque book facility available
Enter Your Coice
2
Eneter Ammount to deposit
100
Name:abc
Account_number:101
Ammount:1000.0
Total Ammount is :1100.0
1.Display
2.Deposit
3.Withdraw
4.Exit
Cheque book facility available
Enter Your Coice
3
Enter Ammount to withdraw
1000
Name:abc
Account_number:101
Ammount:1100.0
After withdrawal Balance 100.0
You have debited ammount 150 from your acccount Account balance is:-50.0
1.Display
2.Deposit
3.Withdraw
4.Exit
Cheque book facility available
Enter Your Coice
```

Command Prompt - java Bank

```
C:\Users\Admin\Desktop\Student files\1bm21cs253>javac Bank.java

C:\Users\Admin\Desktop\Student files\1bm21cs253>java Bank
Choose Account type:
Press c for Current Account:
Press s for Saving Account:
s
Enter Name:
abc
Enter Account Number:
201
Enter opening Ammount must>500:
1000
1.Display
2.Deposit
3.Withdraw
4Intrest
5.Exit
Cheque book facility not available
Enter Your Coice
3
Enter Ammount to withdraw:
2000
Name:abc
Account_number:201
Ammount:1000.0
Insufficient Balance!
1.Display
2.Deposit
3.Withdraw
4Intrest
5.Exit
Cheque book facility not available
Enter Your Coice
3
Enter Ammount to withdraw:
0
Name:abc
Account_number:201
Ammount:1000.0
After withdrawal Balance 1000.0
1.Display
2.Deposit
3.Withdraw
4Intrest
5.Exit
Cheque book facility not available
Enter Your Coice
4
Total Ammount with intrest is :1020.0
1.Display
2.Deposit
3.Withdraw
4Intrest
5.Exit
Cheque book facility not available
Enter Your Coice
```