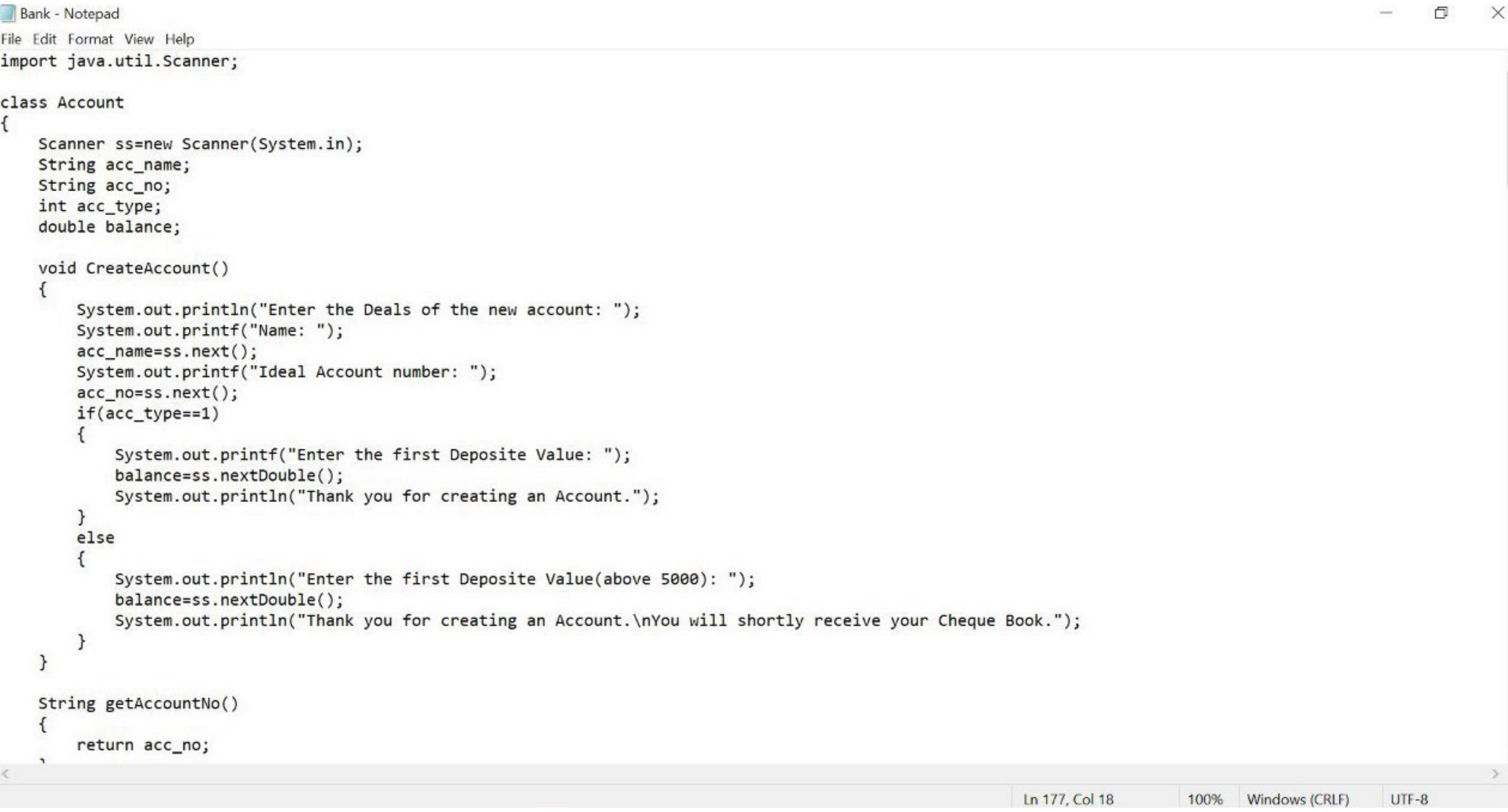
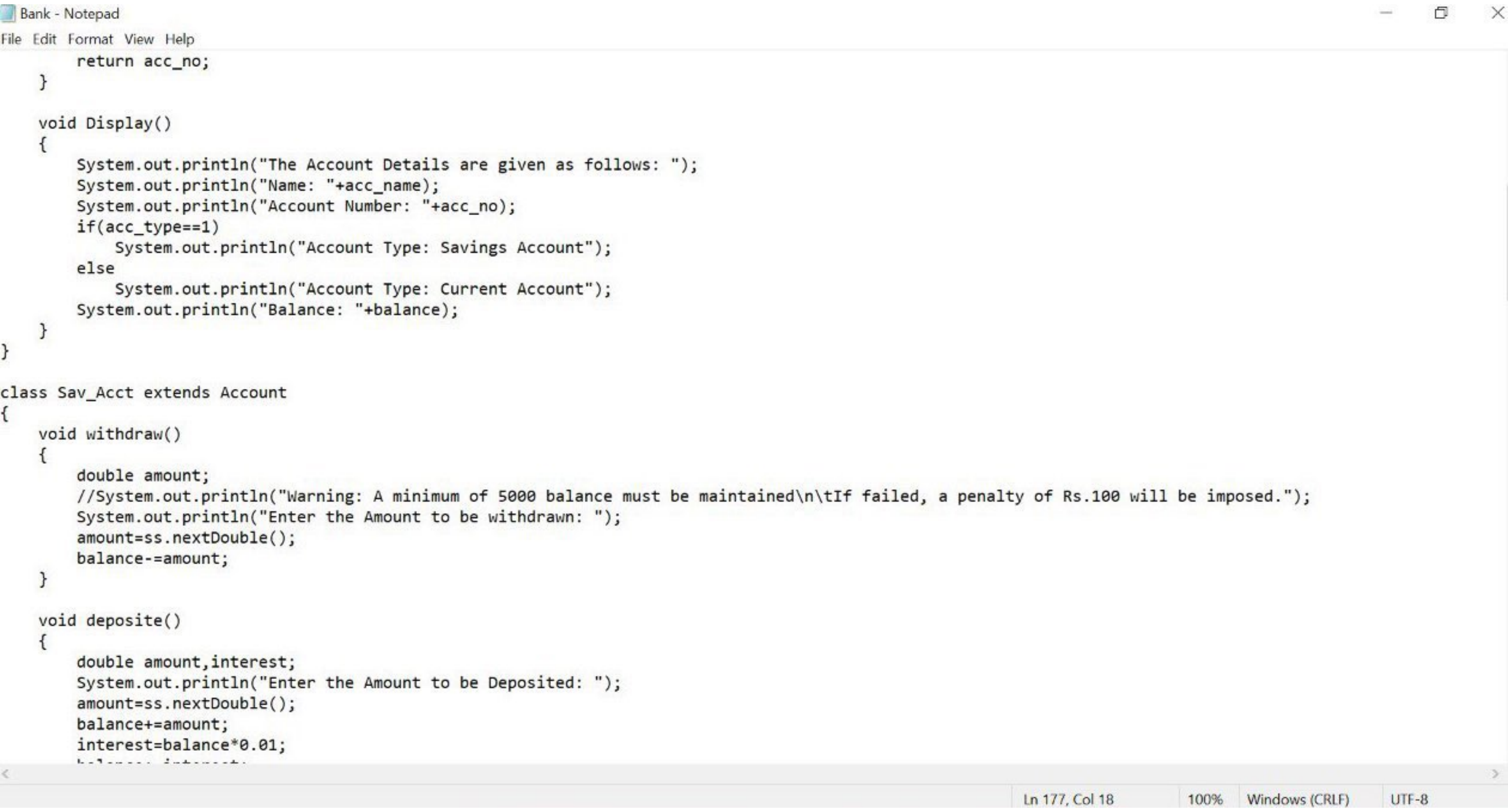
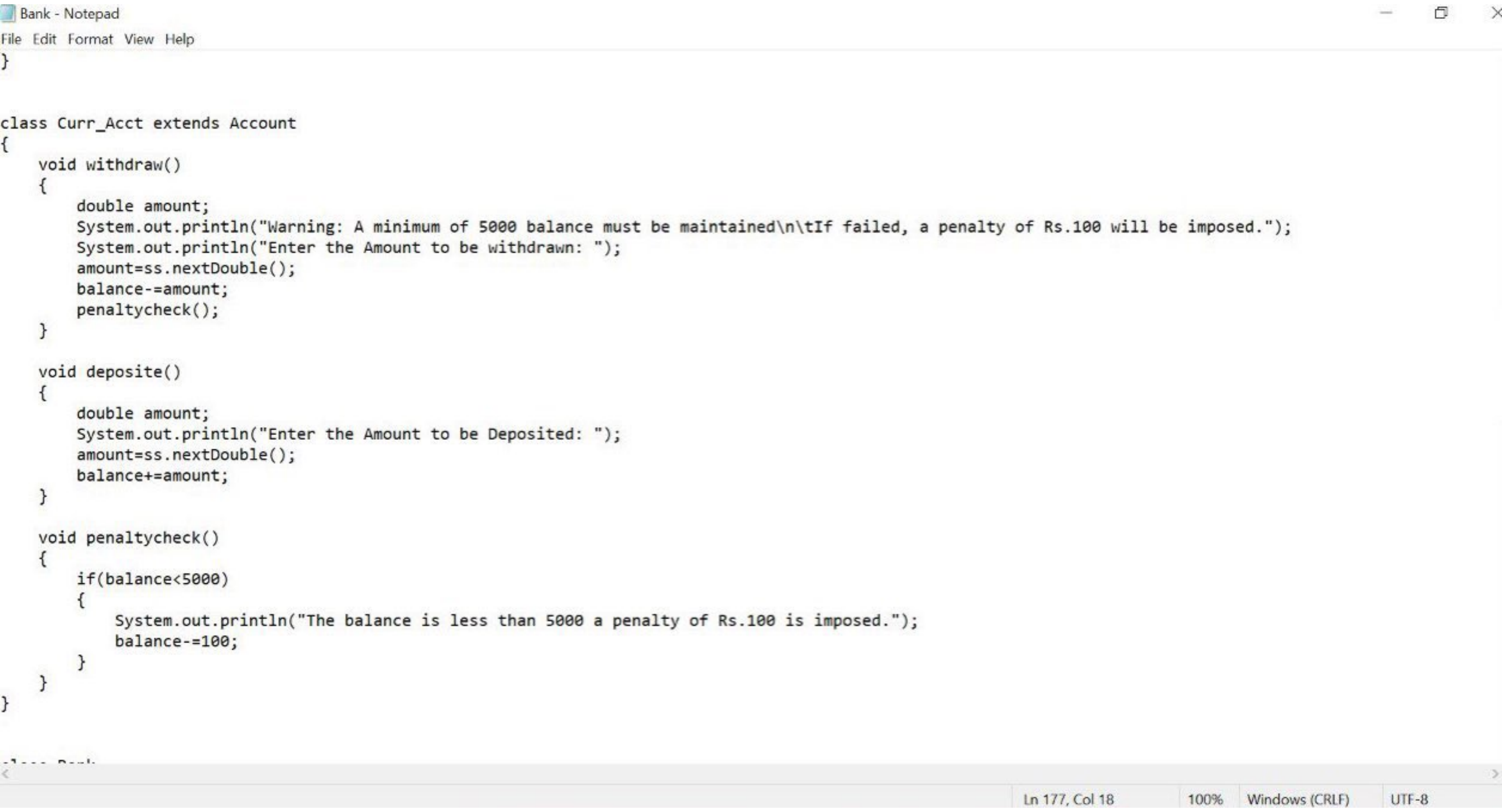


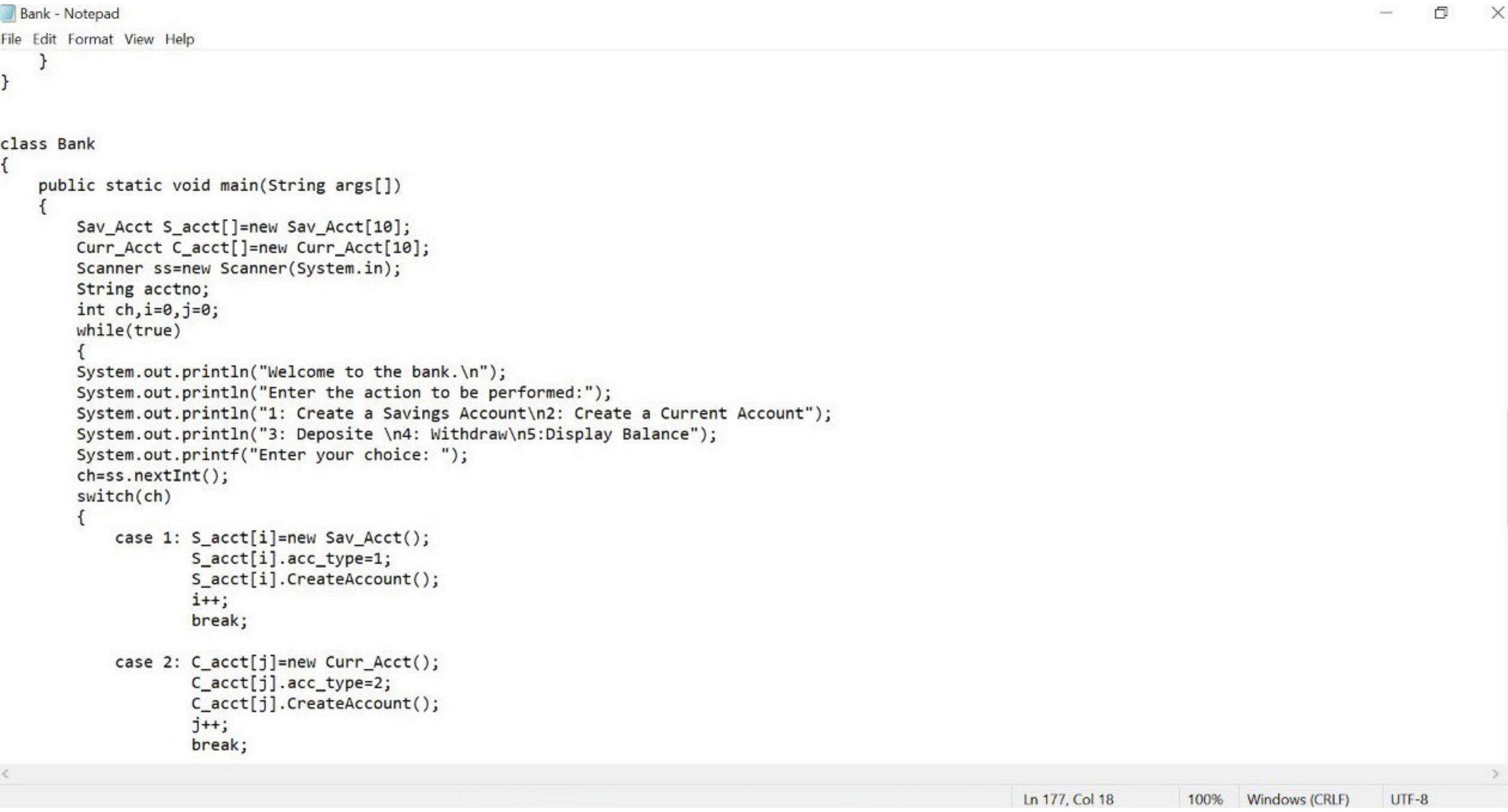
```
import java.util.Scanner;

class Account
{
    Scanner ss=new Scanner(System.in);
    String acc_name;
    String acc_no;
    int acc_type;
    double balance;

    void CreateAccount()
    {
        System.out.println("Enter the Deals of the new account: ");
        System.out.printf("Name: ");
        acc_name=ss.next();
        System.out.printf("Ideal Account number: ");
        acc_no=ss.next();
        if(acc_type==1)
        {
            System.out.printf("Enter the first Deposite Value: ");
            balance=ss.nextDouble();
            System.out.println("Thank you for creating an Account.");
        }
        else
        {
            System.out.println("Enter the first Deposite Value(above 5000): ");
            balance=ss.nextDouble();
            System.out.println("Thank you for creating an Account.\nYou will shortly receive your Cheque Book.");
        }
    }

    String getAccountNo()
    {
        return acc_no;
    }
```



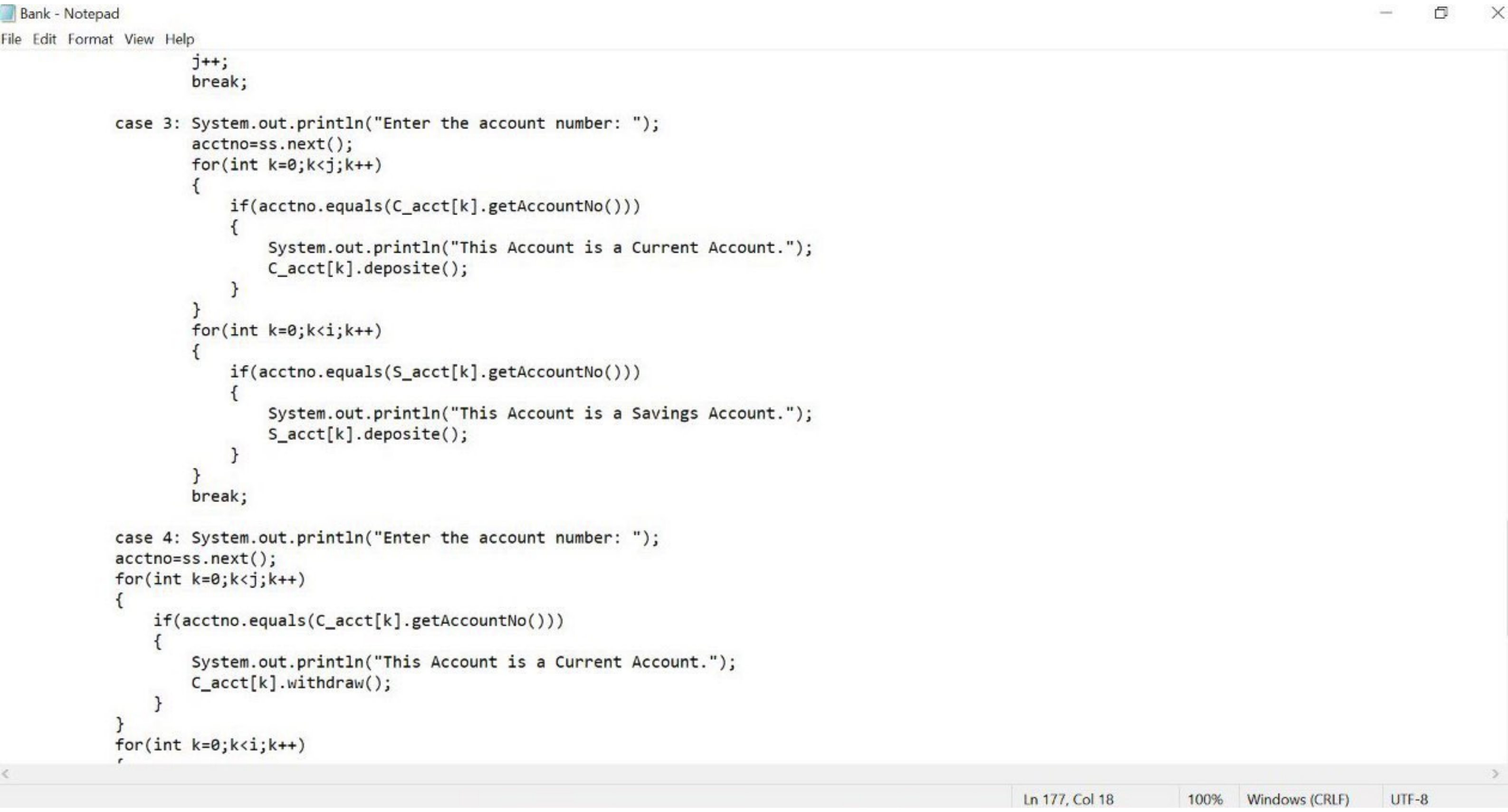
```
        return acc_no;
    }

    void Display()
    {
        System.out.println("The Account Details are given as follows: ");
        System.out.println("Name: "+acc_name);
        System.out.println("Account Number: "+acc_no);
        if(acc_type==1)
            System.out.println("Account Type: Savings Account");
        else
            System.out.println("Account Type: Current Account");
        System.out.println("Balance: "+balance);
    }
}

class Sav_Acct extends Account
{
    void withdraw()
    {
        double amount;
        //System.out.println("Warning: A minimum of 5000 balance must be maintained\n\tIf failed, a penalty of Rs.100 will be imposed.");
        System.out.println("Enter the Amount to be withdrawn: ");
        amount=ss.nextDouble();
        balance-=amount;
    }

    void deposite()
    {
        double amount,interest;
        System.out.println("Enter the Amount to be Deposited: ");
        amount=ss.nextDouble();
        balance+=amount;
        interest=balance*0.01;
```



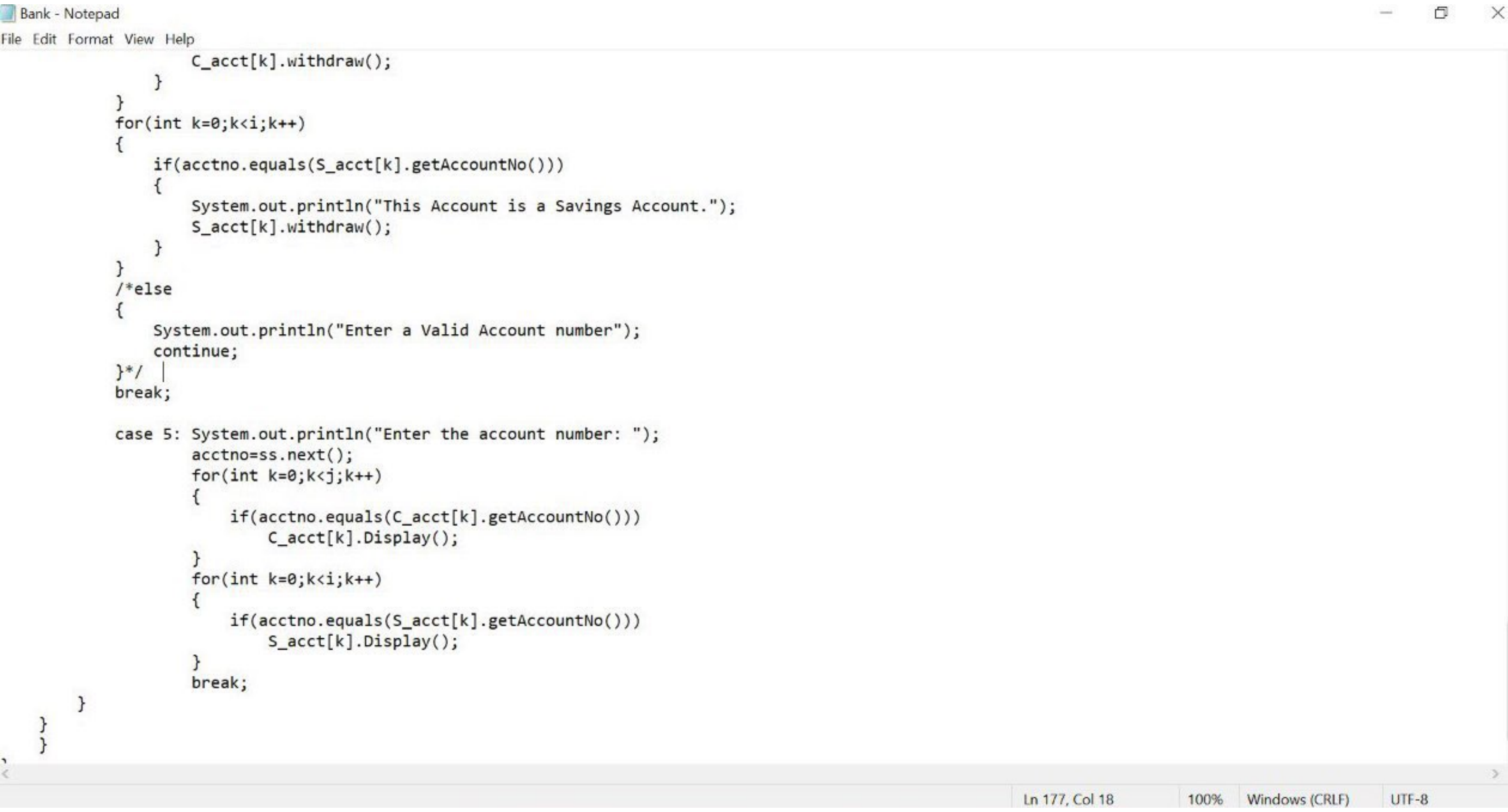
```
}


class Curr_Acct extends Account
{
    void withdraw()
    {
        double amount;
        System.out.println("Warning: A minimum of 5000 balance must be maintained\n\tIf failed, a penalty of Rs.100 will be imposed.");
        System.out.println("Enter the Amount to be withdrawn: ");
        amount=ss.nextDouble();
        balance-=amount;
        penaltycheck();
    }

    void deposite()
    {
        double amount;
        System.out.println("Enter the Amount to be Deposited: ");
        amount=ss.nextDouble();
        balance+=amount;
    }

    void penaltycheck()
    {
        if(balance<5000)
        {
            System.out.println("The balance is less than 5000 a penalty of Rs.100 is imposed.");
            balance-=100;
        }
    }
}


class Bank
```



```
    }
}


class Bank
{
    public static void main(String args[])
    {
        Sav_Acct S_acct[]=new Sav_Acct[10];
        Curr_Acct C_acct[]=new Curr_Acct[10];
        Scanner ss=new Scanner(System.in);
        String acctno;
        int ch,i=0,j=0;
        while(true)
        {
        System.out.println("Welcome to the bank.\n");
        System.out.println("Enter the action to be performed:");
        System.out.println("1: Create a Savings Account\n2: Create a Current Account");
        System.out.println("3: Deposite \n4: Withdraw\n5:Display Balance");
        System.out.printf("Enter your choice: ");
        ch=ss.nextInt();
        switch(ch)
        {
            case 1: S_acct[i]=new Sav_Acct();
                    S_acct[i].acc_type=1;
                    S_acct[i].CreateAccount();
                    i++;
                    break;

            case 2: C_acct[j]=new Curr_Acct();
                    C_acct[j].acc_type=2;
                    C_acct[j].CreateAccount();
                    j++;
                    break;
```

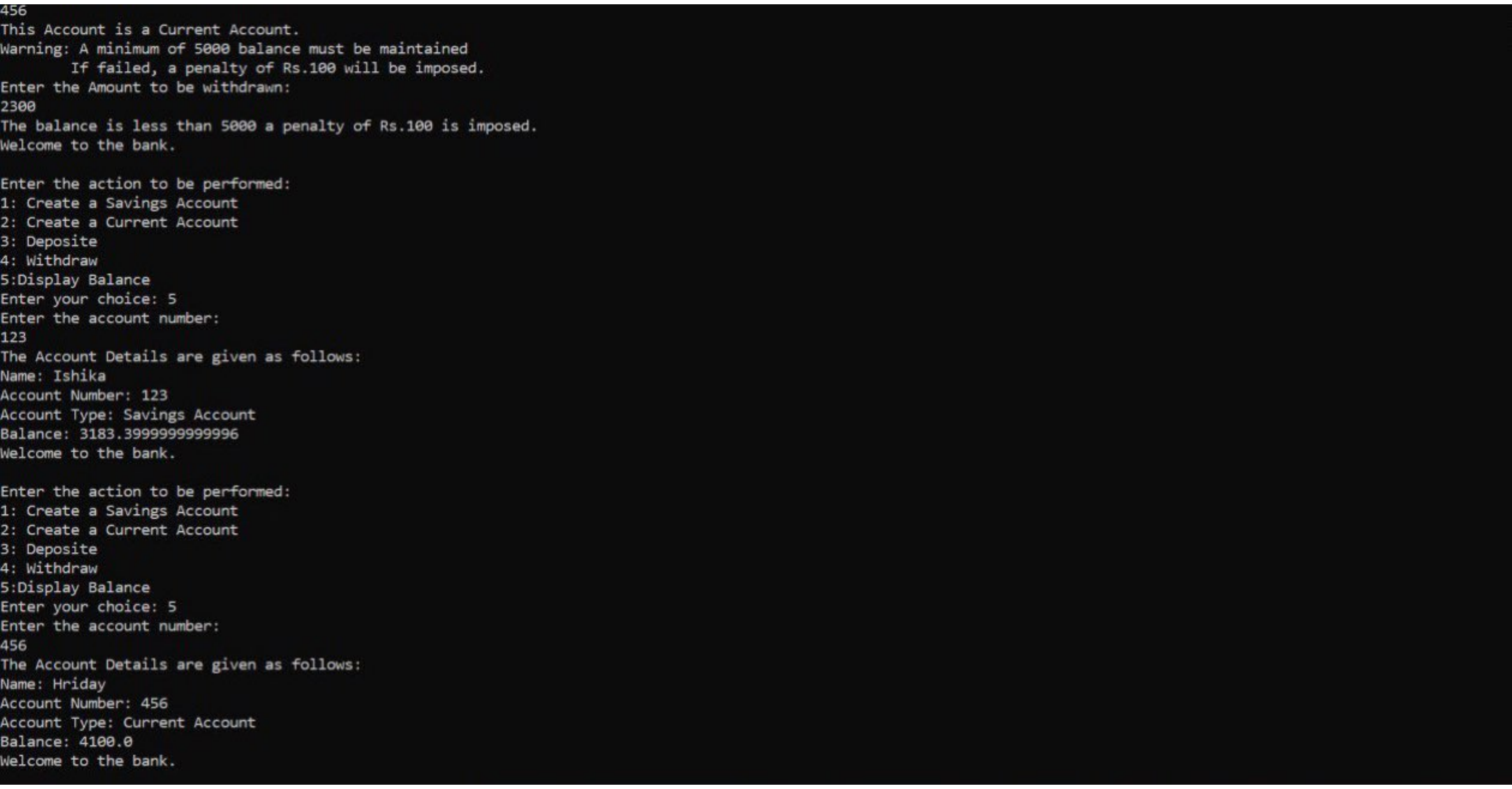


```
                    j++;
                    break;

            case 3: System.out.println("Enter the account number: ");
                    acctno=ss.next();
                    for(int k=0;k<j;k++)
                    {
                        if(acctno.equals(C_acct[k].getAccountNo()))
                        {
                            System.out.println("This Account is a Current Account.");
                            C_acct[k].deposite();
                        }
                    }
                    for(int k=0;k<i;k++)
                    {
                        if(acctno.equals(S_acct[k].getAccountNo()))
                        {
                            System.out.println("This Account is a Savings Account.");
                            S_acct[k].deposite();
                        }
                    }
                    break;

            case 4: System.out.println("Enter the account number: ");
            acctno=ss.next();
            for(int k=0;k<j;k++)
            {
                if(acctno.equals(C_acct[k].getAccountNo()))
                {
                    System.out.println("This Account is a Current Account.");
                    C_acct[k].withdraw();
                }
            }
            for(int k=0;k<i;k++)
```

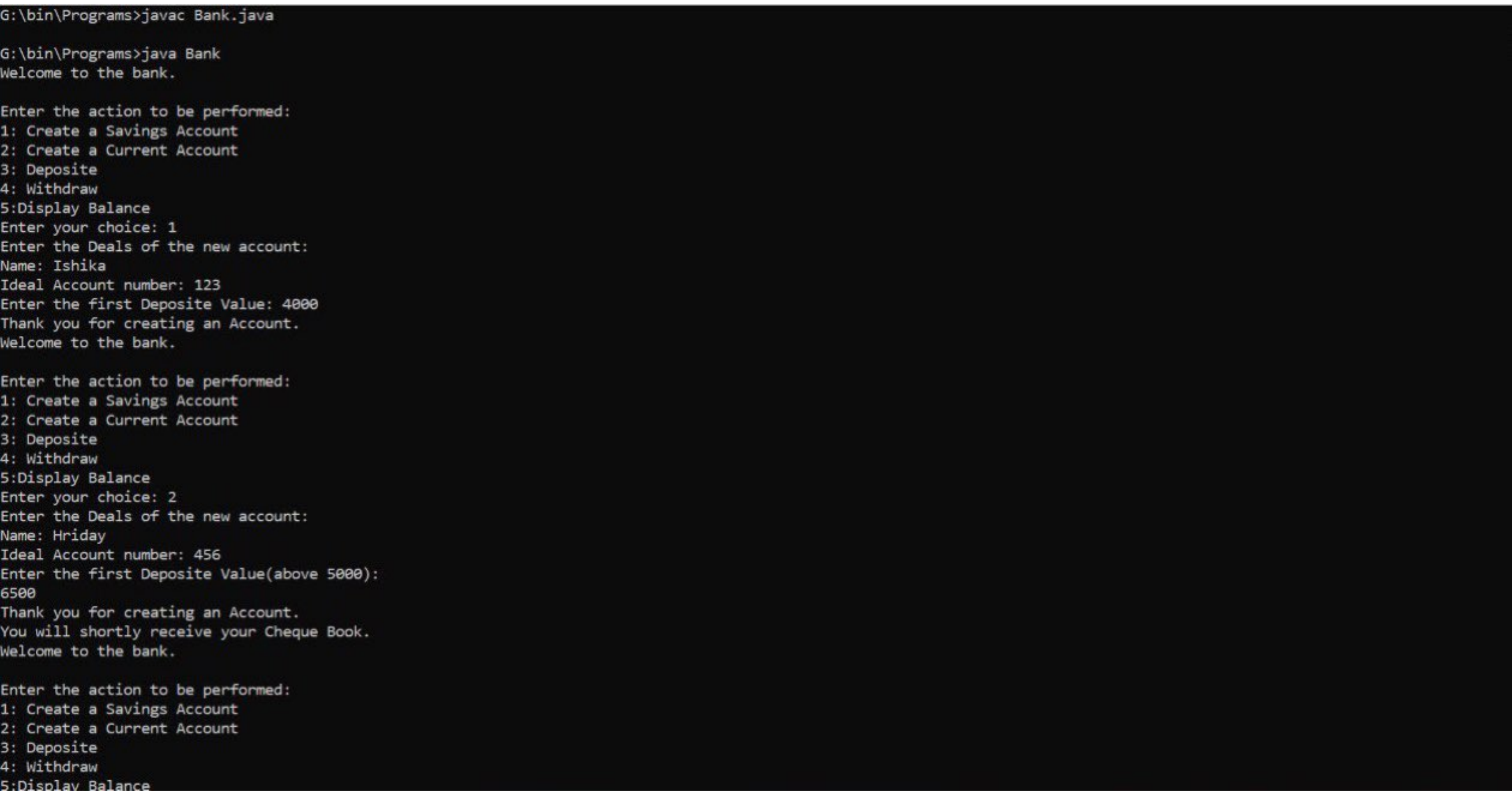


```
                    C_acct[k].withdraw();
                }
            }
            for(int k=0;k<i;k++)
            {
                if(acctno.equals(S_acct[k].getAccountNo()))
                {
                    System.out.println("This Account is a Savings Account.");
                    S_acct[k].withdraw();
                }
            }
            /*else
            {
                System.out.println("Enter a Valid Account number");
                continue;
            }*/
            break;

            case 5: System.out.println("Enter the account number: ");
                    acctno=ss.next();
                    for(int k=0;k<j;k++)
                    {
                        if(acctno.equals(C_acct[k].getAccountNo()))
                            C_acct[k].Display();
                    }
                    for(int k=0;k<i;k++)
                    {
                        if(acctno.equals(S_acct[k].getAccountNo()))
                            S_acct[k].Display();
                    }
                    break;
        }
    }
    }
```

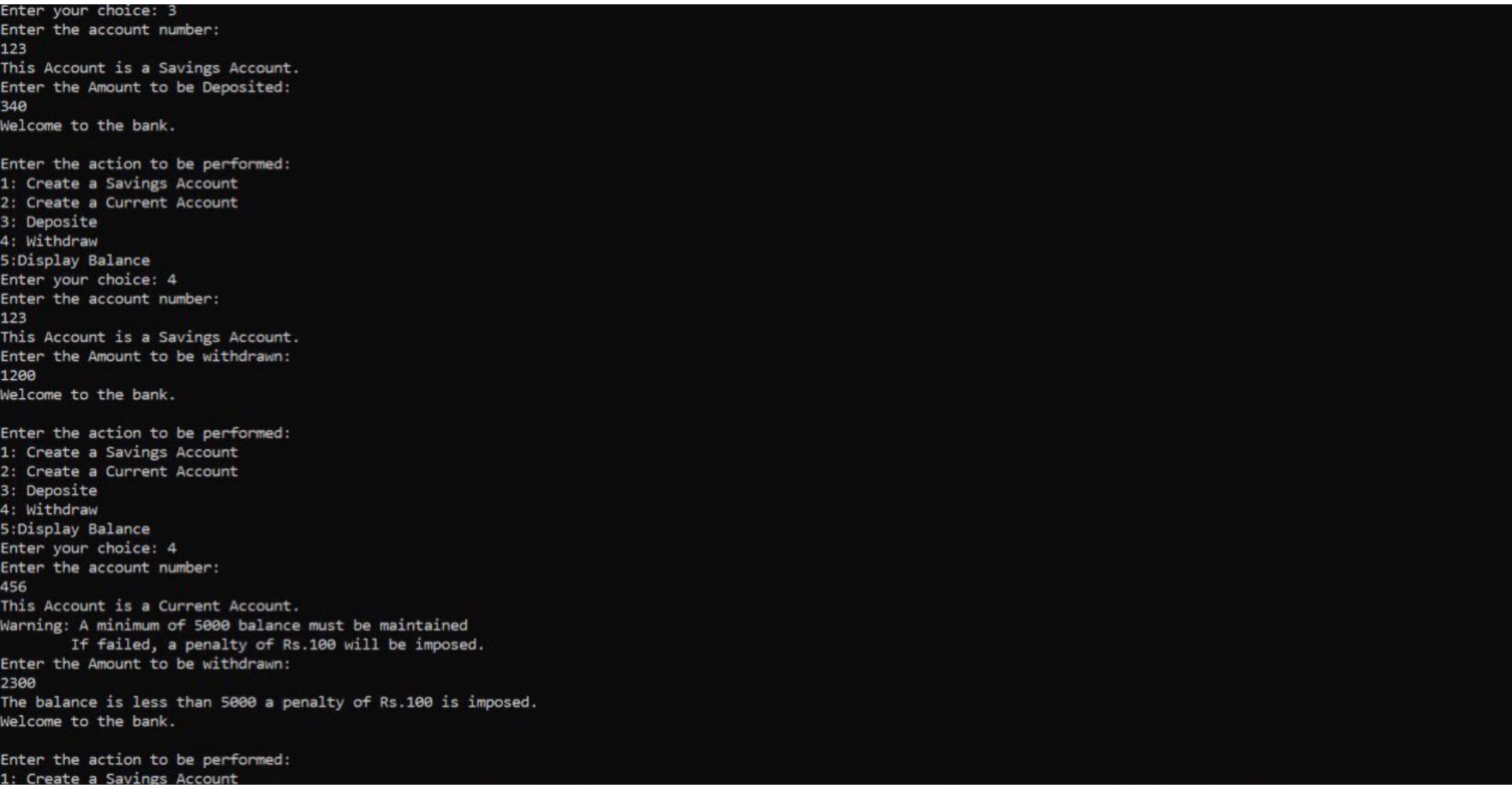
Scanned with CamScanner



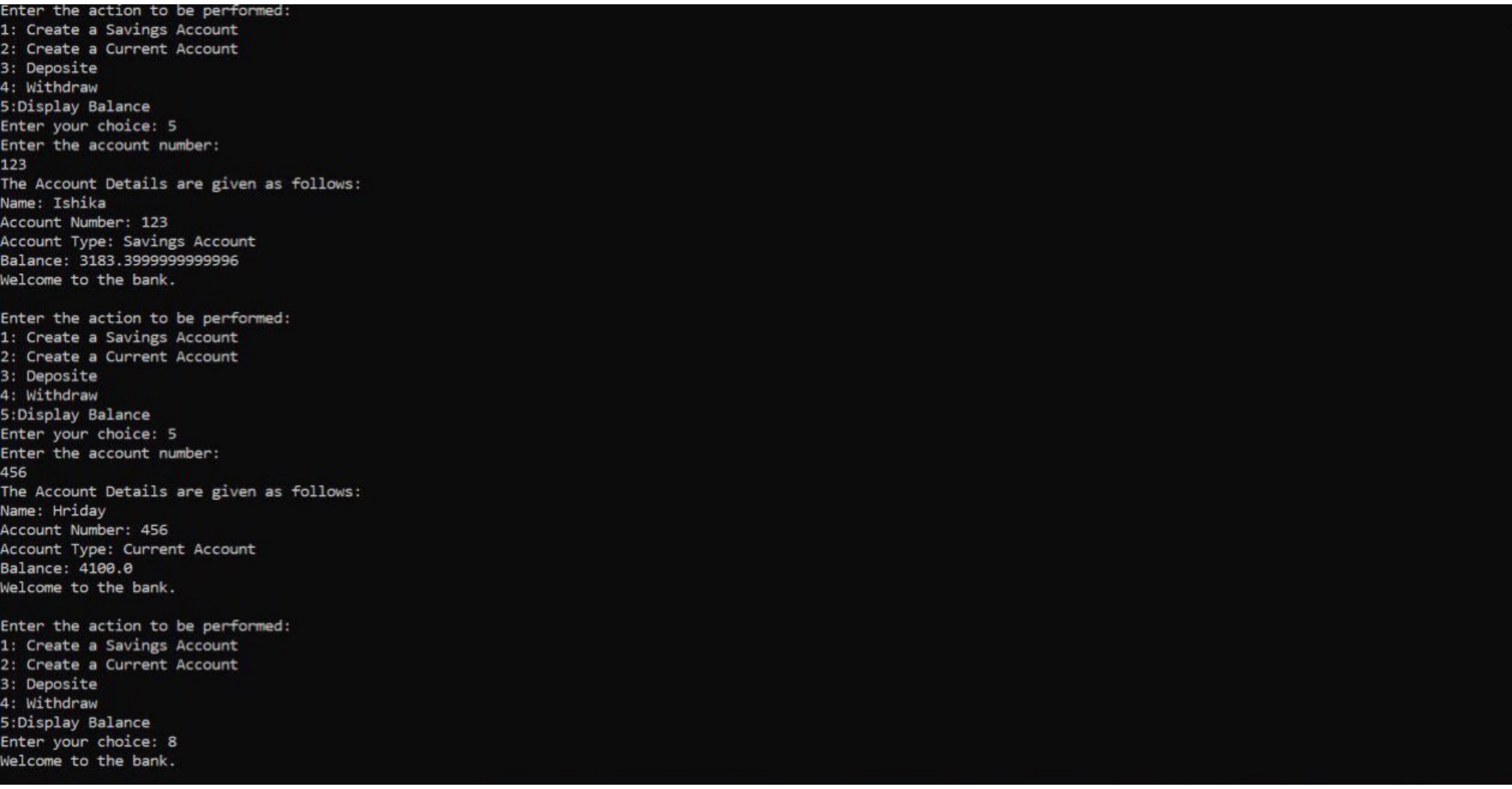
```
456
This Account is a Current Account.
Warning: A minimum of 5000 balance must be maintained
        If failed, a penalty of Rs.100 will be imposed.
Enter the Amount to be withdrawn:
2300
The balance is less than 5000 a penalty of Rs.100 is imposed.
Welcome to the bank.

Enter the action to be performed:
1: Create a Savings Account
2: Create a Current Account
3: Deposite
4: Withdraw
5:Display Balance
Enter your choice: 5
Enter the account number:
123
The Account Details are given as follows:
Name: Ishika
Account Number: 123
Account Type: Savings Account
Balance: 3183.3999999999996
Welcome to the bank.

Enter the action to be performed:
1: Create a Savings Account
2: Create a Current Account
3: Deposite
4: Withdraw
5:Display Balance
Enter your choice: 5
Enter the account number:
456
The Account Details are given as follows:
Name: Hriday
Account Number: 456
Account Type: Current Account
Balance: 4100.0
Welcome to the bank.
```



```
G:\bin\Programs>javac Bank.java

G:\bin\Programs>java Bank
Welcome to the bank.

Enter the action to be performed:
1: Create a Savings Account
2: Create a Current Account
3: Deposite
4: Withdraw
5:Display Balance
Enter your choice: 1
Enter the Deals of the new account:
Name: Ishika
Ideal Account number: 123
Enter the first Deposite Value: 4000
Thank you for creating an Account.
Welcome to the bank.

Enter the action to be performed:
1: Create a Savings Account
2: Create a Current Account
3: Deposite
4: Withdraw
5:Display Balance
Enter your choice: 2
Enter the Deals of the new account:
Name: Hriday
Ideal Account number: 456
Enter the first Deposite Value(above 5000):
6500
Thank you for creating an Account.
You will shortly receive your Cheque Book.
Welcome to the bank.

Enter the action to be performed:
1: Create a Savings Account
2: Create a Current Account
3: Deposite
4: Withdraw
5:Display Balance
```



```
Enter your choice: 3
Enter the account number:
123
This Account is a Savings Account.
Enter the Amount to be Deposited:
340
Welcome to the bank.

Enter the action to be performed:
1: Create a Savings Account
2: Create a Current Account
3: Deposite
4: Withdraw
5:Display Balance
Enter your choice: 4
Enter the account number:
123
This Account is a Savings Account.
Enter the Amount to be withdrawn:
1200
Welcome to the bank.

Enter the action to be performed:
1: Create a Savings Account
2: Create a Current Account
3: Deposite
4: Withdraw
5:Display Balance
Enter your choice: 4
Enter the account number:
456
This Account is a Current Account.
Warning: A minimum of 5000 balance must be maintained
        If failed, a penalty of Rs.100 will be imposed.
Enter the Amount to be withdrawn:
2300
The balance is less than 5000 a penalty of Rs.100 is imposed.
Welcome to the bank.

Enter the action to be performed:
1: Create a Savings Account
```



```
Enter the action to be performed:
1: Create a Savings Account
2: Create a Current Account
3: Deposite
4: Withdraw
5:Display Balance
Enter your choice: 5
Enter the account number:
123
The Account Details are given as follows:
Name: Ishika
Account Number: 123
Account Type: Savings Account
Balance: 3183.3999999999996
Welcome to the bank.

Enter the action to be performed:
1: Create a Savings Account
2: Create a Current Account
3: Deposite
4: Withdraw
5:Display Balance
Enter your choice: 5
Enter the account number:
456
The Account Details are given as follows:
Name: Hriday
Account Number: 456
Account Type: Current Account
Balance: 4100.0
Welcome to the bank.

Enter the action to be performed:
1: Create a Savings Account
2: Create a Current Account
3: Deposite
4: Withdraw
5:Display Balance
Enter your choice: 8
Welcome to the bank.
```

~~AJEF~~ LAB 5

```
import java.util.Scanner;

class Account
{
    Scanner sc=new Scanner(System.in);
    String acc_name;
    String acc_no;
    int acc_type;
    double balance;

    void createAccount()
    {
        System.out.println("Enter the details of new
                                account");
        System.out.println("Name:");
        acc_name=sc.next();
        System.out.println("Account no: ");
        acc_no=sc.next();
        if(acc_type==1)
        {
            System.out.println("Enter deposit value");
            balance=sc.nextDouble();
        }
else
   {
        System.out.println("Enter deposit value(morethan 5000)");
        balance = sc.nextDouble();
     }
}

String getAccountNo()
{
   ~~String~~ return acc_no;
}

void Display ()
 {
      System.out.println(acc_name);
      System.out.println(acc_no);
      system.out.println( balance);
 }


class Sav_Acct extends Account
  {
     void withdraw ()
       {
           double amount;
           System.out.println(" Amount to be withdrawn");
           amount =ss.nextDouble();
           balance= -amount;
       }
     void deposite ()
       {
           double amount, interest;
           System.out.println ("Enter amount to be deposited");
           ammount=sc.nextDouble();
           balance +=amount;
            interest= balance *0.01;
       }
 }
```

```
class curr_acct extends Account
  {
    void withdraw()
      {
        double amount;
        amount=sc.nextDouble();
        balance=-amount;
        penaltycheck();
      }

    void deposite()
      {
        double amount;
        System.out.println("Enter the amount to
                 be deposited");
        amount=sc.nextDouble();
      }

    void penaltycheck()
      {
        if(balance<5000)
          {
            balance = balance-100;
          }
      }
  }

class Bank
  {
    public static void main(String args[])
      {
        sav_Acct s[]= new sav_acct [5];
        curr_Acct c[] =new curr_Acct[5];
        Scanner ss=new Scanner(System.in);
        String acctno;
        int ch, i=0,j=0;
```

```
while(true)
  {
        System.out.point("Enter choice");
        ch = ss.nextInt();
        switch(ch)
          {
              case 1:  S[i] = new Sav_Acct();
                       S[i].acc_type = 1;
                       i++;
                       break;
              case 2:  C[j] = new Curr_Acct();
                       ~~sB~~C[j].acc_type=0;
                       j++;
                       break;
              case 3:  System.out.println("Enter account no");
                       actno = ss.next();
                       for( int k=0; k<j; k++)
                         {
                            if(acctno.equals(C~~_acct~~[K].
                               getAccountNo()))
                              {
                                  C~~_acc~~[K].deposite();
                              }
                         }
                       ~~else~~
                       for (int k=0; k<i; k++)
                         {
                            if(acctno.equals(S[k].getAcc-
                               ountNo()))
                                    S[k].deposite();
                         }
                       break;
case 4: System.out.println("Enter account no.");
        acctno=ss.nextInt();
        for(ik=0;k<j;k++)
         {
            if(acctno.equals(C acc[k].getAccountNo
            ()))
              {
                 C[k].withdraw();
              }
         }

      for(int k=0;k<i;k++)
        {
          if(acctno.equals(S acc[k].getAccountNo
                     ()))
                 S[k].withdraw();
        }
     break;
case 5: System.out.println("Enter account no:");
        acctno=ss.next();
        for(int k=0;k<j;k++)
         {
           if(acctno.equals(C[k].getAccounts()))
                C[k].display();
         }

       for(int k=0;k<gi;k++)
         {
            if(acctno.equals(S[k].getAccounts()))
                 S[k].display();
         }
      break;
  }
 } }
}
```