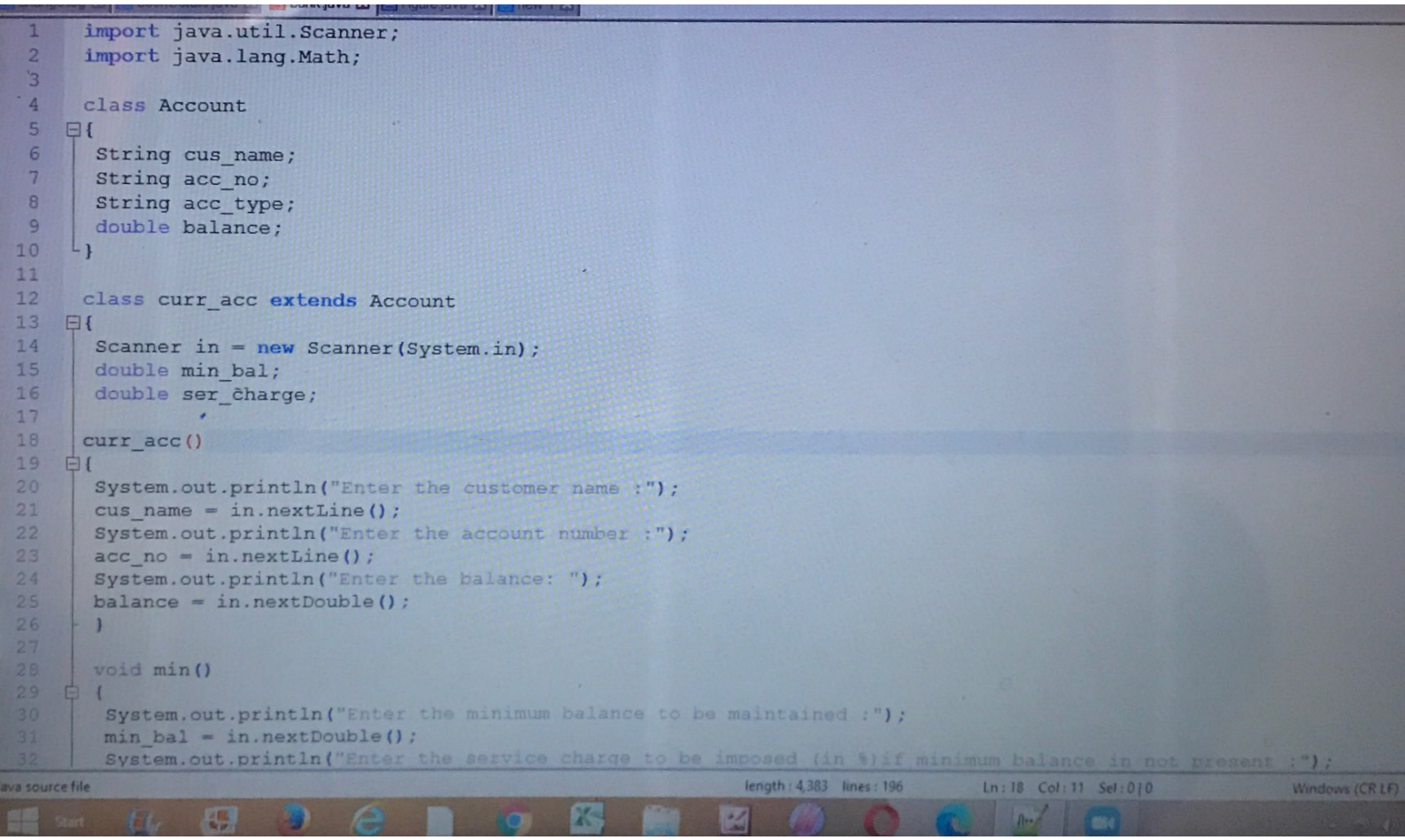
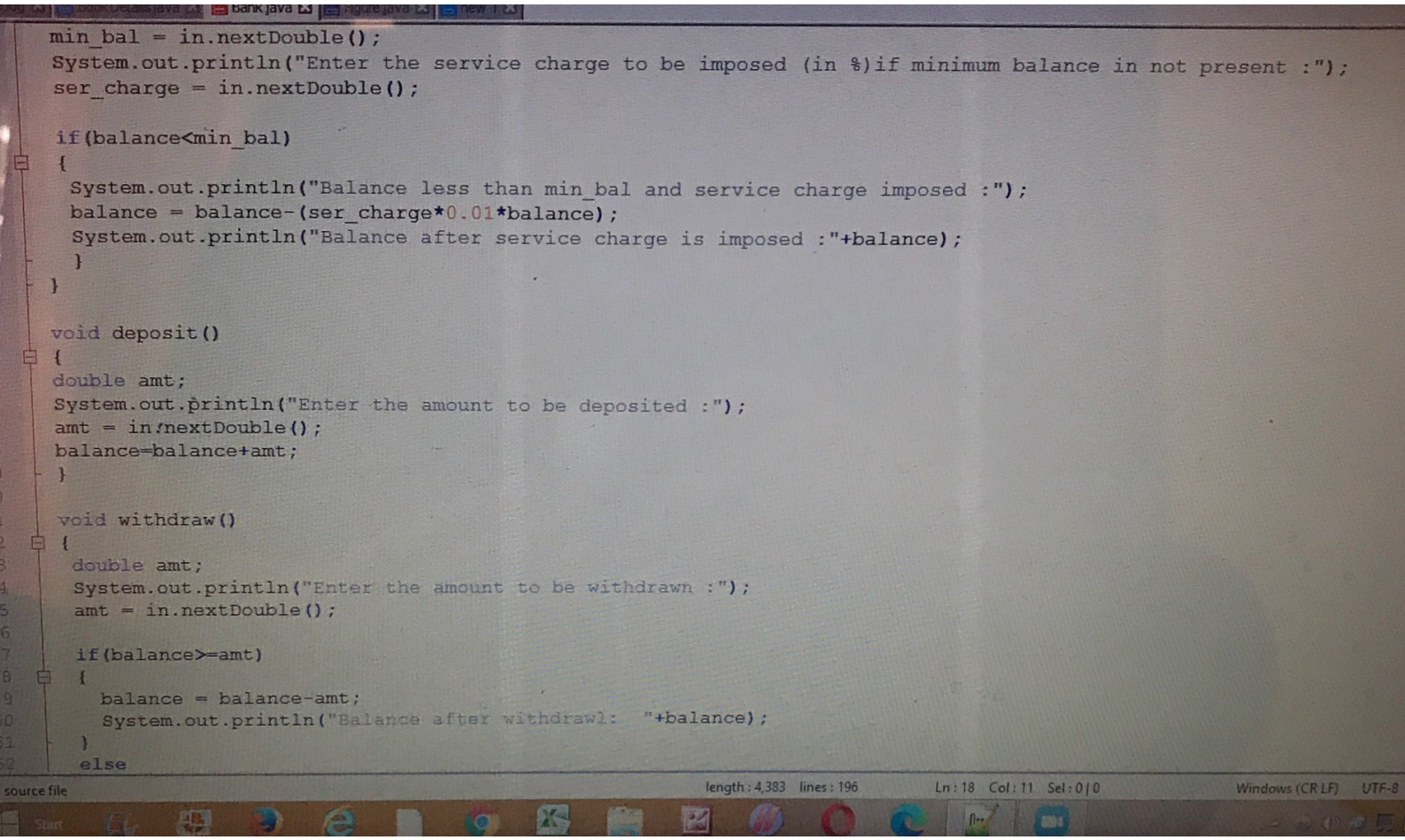
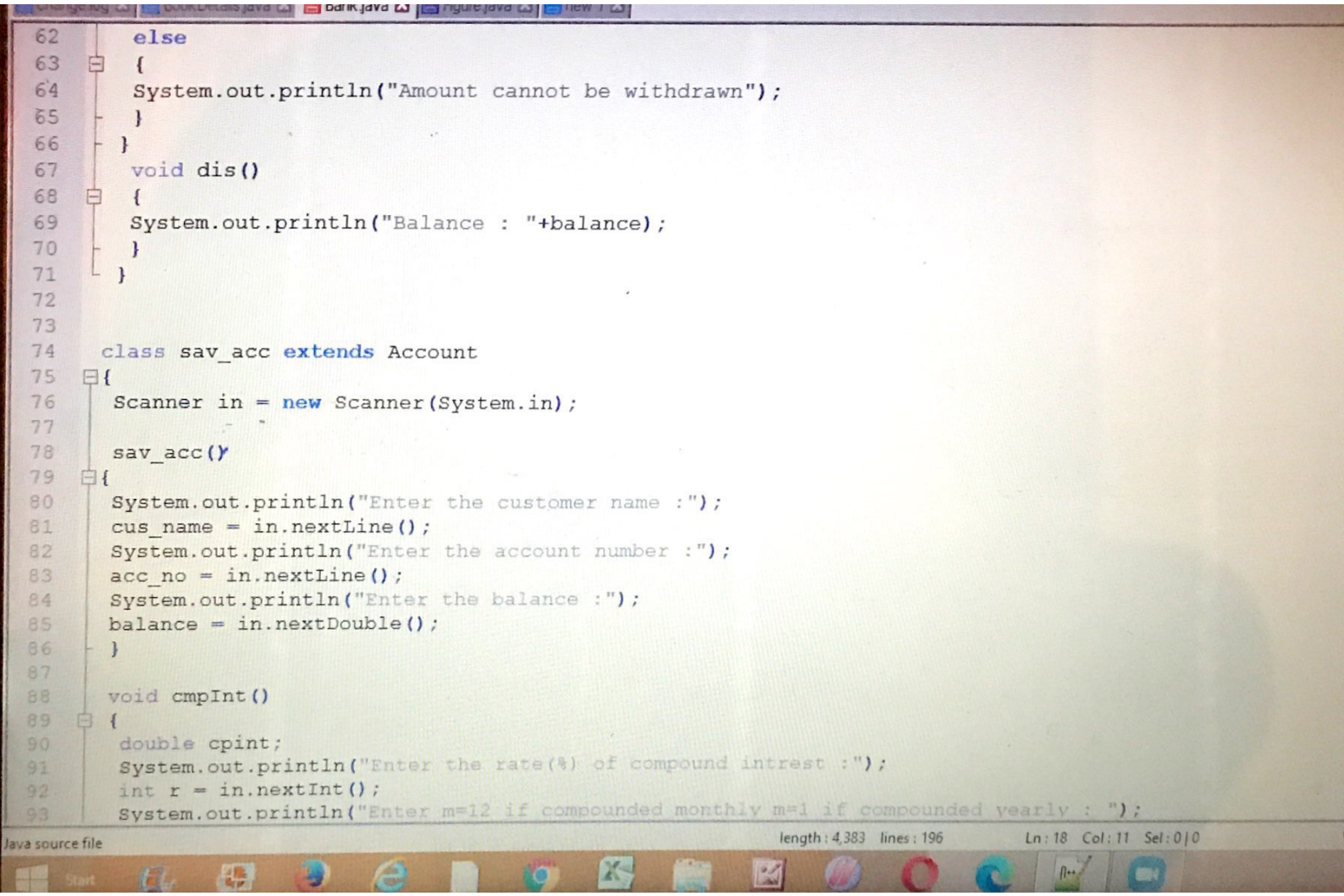


```
import java.util.Scanner;
import java.lang.Math;

class Account
{
 String cus_name;
 String acc_no;
 String acc_type;
 double balance;
}

class curr_acc extends Account
{
 Scanner in = new Scanner(System.in);
 double min_bal;
 double ser_charge;

curr_acc()
{
 System.out.println("Enter the customer name :");
 cus_name = in.nextLine();
 System.out.println("Enter the account number :");
 acc_no = in.nextLine();
 System.out.println("Enter the balance: ");
 balance = in.nextDouble();
 }

 void min()
 {
  System.out.println("Enter the minimum balance to be maintained :");
  min_bal = in.nextDouble();
  System.out.println("Enter the service charge to be imposed (in %)if minimum balance in not present :");
```



```
min_bal = in.nextDouble();
System.out.println("Enter the service charge to be imposed (in %)if minimum balance in not present :");
ser_charge = in.nextDouble();

if(balance<min_bal)
{
 System.out.println("Balance less than min_bal and service charge imposed :");
 balance = balance-(ser_charge*0.01*balance);
 System.out.println("Balance after service charge is imposed :"+balance);
 }
}

void deposit()
{
double amt;
System.out.println("Enter the amount to be deposited :");
amt = in.nextDouble();
balance=balance+amt;
}

void withdraw()
{
 double amt;
 System.out.println("Enter the amount to be withdrawn :");
 amt = in.nextDouble();

 if(balance>=amt)
 {
   balance = balance-amt;
   System.out.println("Balance after withdrawl:  "+balance);
 }
 else
```

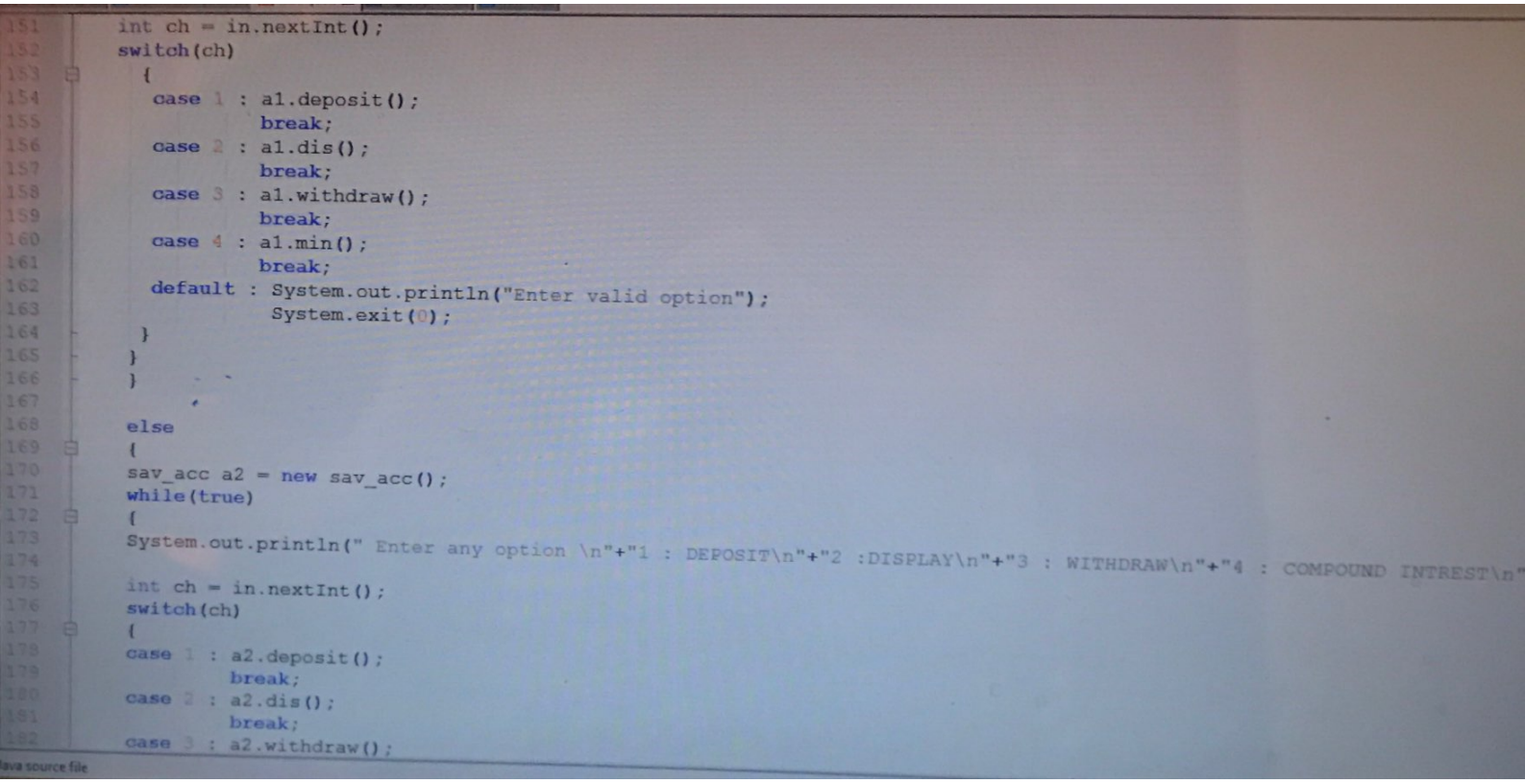
source file length : 4,383 lines : 196 Ln : 18 Col : 11 Sel : 0 | 0 Windows (CR LF) UTF-8



```
62      else
63      {
64      System.out.println("Amount cannot be withdrawn");
65      }
66    }
67      void dis()
68      {
69      System.out.println("Balance : "+balance);
70      }
71    }
72
73
74  class sav_acc extends Account
75  {
76   Scanner in = new Scanner(System.in);
77
78   sav_acc()
79  {
80   System.out.println("Enter the customer name :");
81   cus_name = in.nextLine();
82   System.out.println("Enter the account number :");
83   acc_no = in.nextLine();
84   System.out.println("Enter the balance :");
85   balance = in.nextDouble();
86   }
87
88   void cmpInt()
89   {
90    double cpint;
91    System.out.println("Enter the rate(%) of compound intrest :");
92    int r = in.nextInt();
93    System.out.println("Enter m=12 if compounded monthly m=1 if compounded yearly : ");
```

```
93      System.out.println("Enter m=12 if compounded monthly m=1 if compounded yearly : ");
94      int m = in.nextInt();
95      System.out.println("Enter the time elapsed in year :");
96      int t = in.nextInt();
97
98      cpint= Math.pow((1+((r*0.01)/m)),t);
99      balance = balance*cpint;
100     System.out.println("compound interest :"+cpint);
101     System.out.println("Balance after computing compound interest :"+balance);
102     }
103
104   void deposit()
105   {
106   double amt;
107   System.out.println("Enter the amount to be deposited :");
108   amt = in.nextDouble();
109   balance=balance+amt;
110   }
111
112   void withdraw()
113   {
114    double amt;
115    System.out.println("Enter the amount to be withdrawn :");
116    amt = in.nextDouble();
117
118    if(balance>=amt)
119    {
120      balance = balance-amt;
121      System.out.println("Balance after withdrawl:  "+balance);
122    }
123    else
124    {
```

```
  }
  else
  {
  System.out.println("Amount cannot be withdrawn");
  }
 }
  void dis()
  {
  System.out.println("Balance : "+balance);
  }
}


class Bank
{
   public static void main(String args[])
  {
   Scanner in = new Scanner(System.in);
   System.out.println("Enter the type of account you want to opt 1:CURRENT ACCOUNT 2:SAVINGS ACCOUNT :");
   int type = in.nextInt();


    if(type == 1)
    {
    curr_acc a1 = new curr_acc();
      while(true)
    {
    System.out.println("Enter any option \n"+"1 : DEPOSIT\n"+"2 :DISPLAY\n"+"3 : WITHDRAW\n"+"4 : SERVICE CHARGE\n");

    int ch = in.nextInt();
    switch(ch)
      {
```



```
int ch = in.nextInt();
switch(ch)
  {
   case 1 : a1.deposit();
            break;
   case 2 : a1.dis();
            break;
   case 3 : a1.withdraw();
            break;
   case 4 : a1.min();
            break;
   default : System.out.println("Enter valid option");
             System.exit(0);
  }
 }
 }

 else
 {
 sav_acc a2 = new sav_acc();
 while(true)
 {
 System.out.println(" Enter any option \n"+"1 : DEPOSIT\n"+"2 :DISPLAY\n"+"3 : WITHDRAW\n"+"4 : COMPOUND INTREST\n"

 int ch = in.nextInt();
 switch(ch)
 {
 case 1 : a2.deposit();
          break;
 case 2 : a2.dis();
          break;
 case 3 : a2.withdraw();
```

```
}

else
{
sav_acc a2 = new sav_acc();
while(true)
{
System.out.println(" Enter any option \n"+"1 : DEPOSIT\n"+"2 :DISPLAY\n"+"3 : WITHDRAW\n"+"4 : COMPOUND INTREST\n");

 int ch = in.nextInt();
 switch(ch)
 {
 case 1 : a2.deposit();
          break;
 case 2 : a2.dis();
          break;
 case 3 : a2.withdraw();
          break;
 case 4 : a2.cmpInt();
          break;
 default: System.out.println("Enter valid option");
          System.exit(0);


   }

   }

  }
 }
}
```