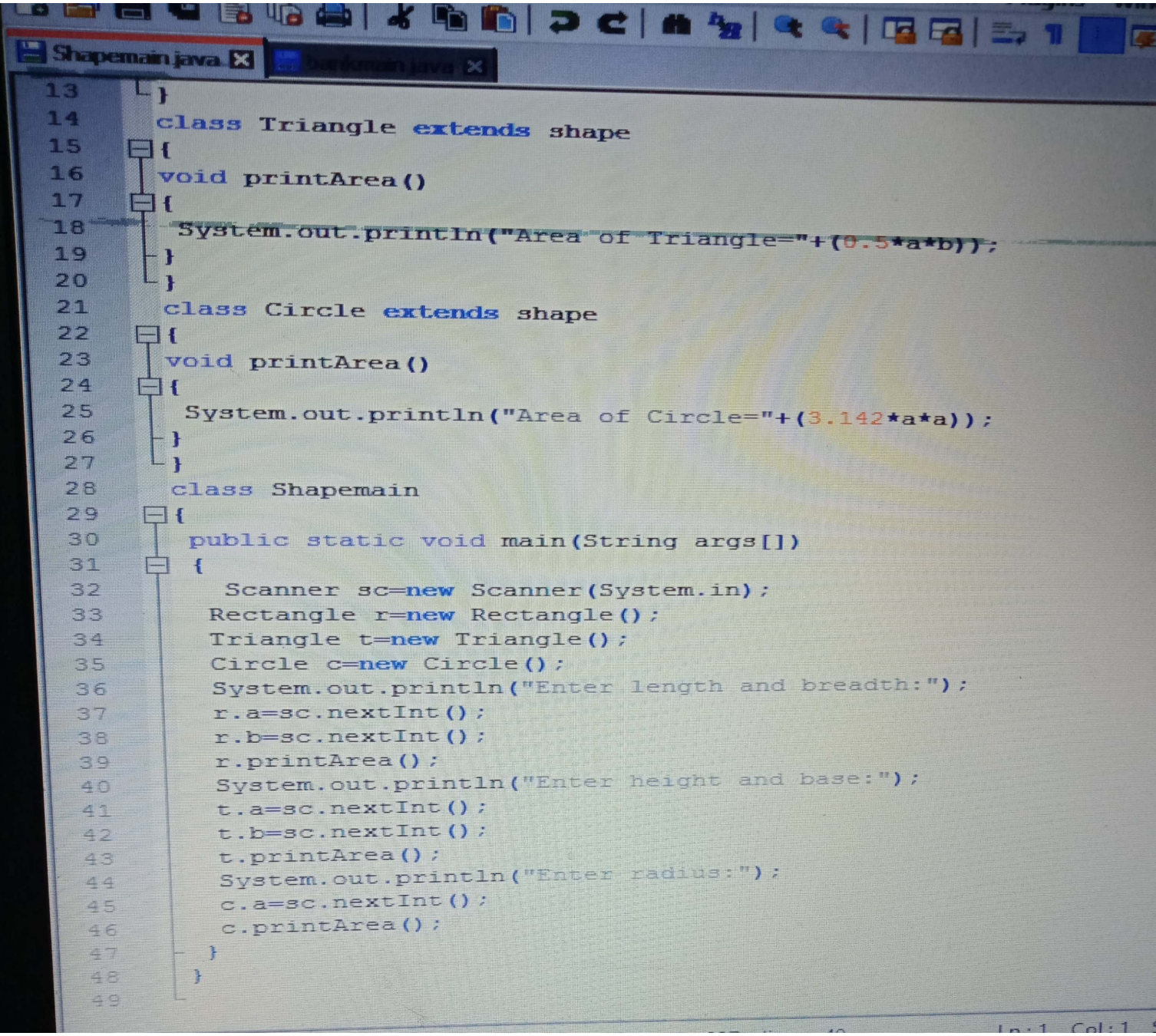
Shapemain.java | bankmain.java

```
1   import java.util.Scanner;
2   abstract class shape
3   {
4   int a,b;
5   abstract void printArea();
6   }
7   class Rectangle extends shape
8   {
9   void printArea()
10  {
11   System.out.println("Area of Rectangle="+(a*b));
12  }
13  }
14  class Triangle extends shape
15  {
16  void printArea()
17  {
18   System.out.println("Area of Triangle="+(0.5*a*b));
19  }
20  }
21  class Circle extends shape
22  {
23  void printArea()
24  {
25   System.out.println("Area of Circle="+(3.142*a*a));
26  }
27  }
28  class Shapemain
29  {
30   public static void main(String args[])
31   {
32     Scanner sc=new Scanner(System.in);
33    Rectangle r=new Rectangle();
34    Triangle t=new Triangle();
35    Circle c=new Circle();
36    System.out.println("Enter length and breadth:");
37    r.a=sc.nextInt();
38    r.b=sc.nextInt();
```

Java source file



```
Shapemain.java
}
class Triangle extends shape
{
void printArea()
{
 System.out.println("Area of Triangle="+(0.5*a*b));
}
}
class Circle extends shape
{
void printArea()
{
 System.out.println("Area of Circle="+(3.142*a*a));
}
}
class Shapemain
{
 public static void main(String args[])
 {
   Scanner sc=new Scanner(System.in);
  Rectangle r=new Rectangle();
  Triangle t=new Triangle();
  Circle c=new Circle();
  System.out.println("Enter length and breadth:");
  r.a=sc.nextInt();
  r.b=sc.nextInt();
  r.printArea();
  System.out.println("Enter height and base:");
  t.a=sc.nextInt();
  t.b=sc.nextInt();
  t.printArea();
  System.out.println("Enter radius:");
  c.a=sc.nextInt();
  c.printArea();
 }
}
```

```
import java.util.Scanner;

class account
{

private String name;
private long account_number;
private int account_type;
double balance;
void get_data()
{
Scanner ss=new Scanner(System.in);
System.out.println("enter your name");
name=ss.next();
System.out.println("enter the account_number");
account_number=ss.nextLong();
   System.out.println("choose the account type ");
System.out.println("1.savings account");
System.out.println("2.current account");
account_type=ss.nextInt();
}
int return_account_type()
{
return account_type;
}
}
class savings extends account
{
Scanner ss=new Scanner(System.in);
double amount;
void get_sav_balance()
{

System.out.println("enter the amount to be placed in your savings account");
amount=ss.nextDouble();
balance+=amount;
}
void display_sav_blnce()
```

Java source file length : 2,620 lines : 127 Ln : 99 Col : 27 Sel : 0 | 0

```
37      }
38      void display_sav_blnce()
39      {
40      System.out.println("balance="+balance);
41      }
42      void compute_sav_interest()
43      {
44      System.out.println("interest of 5% shall be added to your balance");
45      balance=balance+(.05*balance);
46      }
47      void withdrawl_sav()
48      {
49      System.out.println("enter the amount to be withdrawn");
50      amount=ss.nextDouble();
51      balance=balance-amount;
52      }
53
54
55      }
56      class current extends account
57      {
58      Scanner ss=new Scanner(System.in);
59      double amount;
60      final double min_balance=5000;
61      void get_cur_balance()
62      {
63      System.out.println("enter the amount to be placed in your current account");
64      amount=ss.nextDouble();
65      balance+=amount;
66      }
67      void display_cur_blnce()
68      {
69      System.out.println("balance="+balance);
70      }
71      void compute_cur_service_charges()
72      {
73      if(balance<min_balance)
74      {
```

Shapemain.java | bankmain.java

```
73      if(balance<min_balance)
74      {
75      System.out.println("service tax of rs.500 shall be levied");
76      balance=balance-500;
77      }
78      else
79      {
80      System.out.println("minimum balance is maintained");
81      }
82      }
83      void withdrawl_cur()
84      {
85      System.out.println("enter the amount to be withdrawn");
86      amount=ss.nextDouble();
87      balance=balance-amount;
88      }
89
90
91      }
92
93      class bankmain
94      {
95      public static void main(String args[])
96      {
97      int type;
98      System.out.println("enter the bank details");
99      account acc=new account();
100     acc.get_data();
101     type=acc.return_account_type();
102     if (type==1)
103             {
104              System.out.println("SAVINGS ACCOUNT");
105              savings sav=new savings();
106     sav.get_sav_balance();
107     sav.display_sav_blnce();
108     sav.compute_sav_interest();
109     sav.display_sav_blnce();
110     sav.withdrawl_sav();
```

Java source file | length : 2,620 lines : 127 | Ln : 99 Col : 27 Sel : 0 | 0 | Windows (CR LF) UTF-8

```
class bankmain
{
public static void main(String args[])
{
int type;
System.out.println("enter the bank details");
account acc=new account();
acc.get_data();
type=acc.return_account_type();
if (type==1)
        {
         System.out.println("SAVINGS ACCOUNT");
         savings sav=new savings();
sav.get_sav_balance();
sav.display_sav_blnce();
sav.compute_sav_interest();
sav.display_sav_blnce();
sav.withdrawl_sav();
sav.display_sav_blnce();
        }
        if(type==2)
        {
        System.out.println("CURRENT ACCOUNT");
current cur=new current();
cur.get_cur_balance();
cur.display_cur_blnce();
cur.compute_cur_service_charges();
cur.display_cur_blnce();
cur.withdrawl_cur();
cur.display_cur_blnce();

}
}

}
```