

shape - Notepad

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```
import java.util.Scanner;
abstract class shape
{
    int a,b;
    abstract void printArea();
}
class Rectangle extends shape
{
    void printArea()
    {
        System.out.println("Area of Rectangle="+a*b);
    }
}
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:");
```

Ln 18, Col 52

100%

Windows (CRLF)

UTF-8



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ENG

11:42
03-11-2020



```
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;
```

Ln 6, Col 22

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Windows (CRLF)

UTF-8

```
{  
  
    System.out.println("enter the amount to be placed in your savings account");  
    amount=ss.nextDouble();  
    balance+=amount;  
}  
void display_sav_blnc()  
{  
    System.out.println("balance="+balance);  
}  
void compute_sav_interest()  
{  
    System.out.println("interest of 5% shall be added to your balance");  
    balance=balance+(.05*balance);  
}  
void withdrawl_sav()  
{  
    System.out.println("enter the amount to be withdrawn");  
    amount=ss.nextDouble();  
    balance=balance-amount;  
}  
  
}  
class current extends account  
{  
    Scanner ss=new Scanner(System.in);  
    double amount;  
    final double min_balance=5000;  
    void get_cur_balance()  
    {  
        System.out.println("enter the amount to be placed in your current account");  
        amount=ss.nextDouble();  
        balance+=amount;  
    }  
    void display_cur_blnc()  
    {  
        System.out.println("current balance is "+balance);  
    }  
}
```

Ln 6, Col 22

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ENG

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```
        amount=ss.nextDouble();
        balance+=amount;
    }
    void display_cur_blnce()
    {
        System.out.println("balance="+balance);
    }
    void compute_cur_service_charges()
    {
        if(balance<min_balance)
        {
            System.out.println("service tax of rs.500 shall be levied");
            balance=balance-500;
        }
        else
        {
            System.out.println("minimum balance is maintained");
        }
    }
    void withdrawl_cur()
    {
        System.out.println("enter the amount to be withdrawn");
        amount=ss.nextDouble();
        balance=balance-amount;
    }
}

class bankmain
{
    public static void main(String args[])
    {
        int type;
        System.out.println("enter the bank details");
        account acc=new account();
```

```
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();
        }
    }
}
```



Command Prompt

C:\Users\Nikita\Desktop>cd ooj_lab

C:\Users\Nikita\Desktop\OOJ_LAB>java Shapemain

Enter length and breadth:

4

5

Area of Rectangle=20

Enter height and base:

6

4

Area of Triangle=12.0

Enter radius:

4

Area of Circle=50.272

C:\Users\Nikita\Desktop\OOJ_LAB>java bankmain

enter the bank details

enter your name

nikita

enter the account_number

1234567890

choose the account type

1.savings account

2.current account

1

SAVINGS ACCOUNT

enter the amount to be placed in your savings account

5000

balance=5000.0

interest of 5% shall be added to your balance

balance=5250.0

enter the amount to be withdrawn

2000

balance=3250.0

C:\Users\Nikita\Desktop\OOJ_LAB>java bankmain

enter the bank details

enter your name

nikita

enter the account_number

1234567890

Select Command Prompt

```
enter the account_number
1234567890
choose the account type
1.savings account
2.current account
1
SAVINGS ACCOUNT
enter the amount to be placed in your savings account
5000
balance=5000.0
interest of 5% shall be added to your balance
balance=5250.0
enter the amount to be withdrawn
2000
balance=3250.0

C:\Users\Nikita\Desktop\OOJ_LAB>java bankmain
enter the bank details
enter your name
nikita
enter the account_number
1234567890
choose the account type
1.savings account
2.current account
2
CURRENT ACCOUNT
enter the amount to be placed in your current account
4000
balance=4000.0
service tax of rs.500 shall be levied
balance=3500.0
enter the amount to be withdrawn
1000
balance=2500.0

C:\Users\Nikita\Desktop\OOJ_LAB>
```

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