**package** com.company;  
  
**import** javax.swing.\*;  
**import** java.awt.\*;  
**import** java.awt.event.ActionEvent;  
**import** java.awt.event.ActionListener;  
  
**public class** Main {  
 **static double** *a*=0;  
 **static double** *b*=0;  
 **static boolean** *add*=**false**,*sub*=**false**,*mul*=**false**,*div*=**false**,*ope*=**false**,*equ*=**false**;  
 **public static void** main(String[] args) {JFrame frm=**new** JFrame(**"计算器"**);  
 frm.setSize(280,210);  
 JTextField dis=**new** JTextField();  
 frm.add(**"North"**,dis);  
 JPanel jpnl=**new** JPanel();  
 frm.add(**"Center"**,jpnl);  
jpnl.setLayout(**new** GridLayout(4,4));  
 JButton b1=**new** JButton(**"1"**);  
 JButton b2=**new** JButton(**"2"**);  
 JButton b3=**new** JButton(**"3"**);  
 JButton b4=**new** JButton(**"4"**);  
 JButton b5=**new** JButton(**"5"**);  
 JButton b6=**new** JButton(**"6"**);  
 JButton b7=**new** JButton(**"7"**);  
 JButton b8=**new** JButton(**"8"**);  
 JButton b9=**new** JButton(**"9"**);  
 JButton b0=**new** JButton(**"0"**);  
 JButton badd=**new** JButton(**"+"**);  
 JButton bsub=**new** JButton(**"-"**);  
 JButton bmul=**new** JButton(**"\*"**);  
 JButton bdiv=**new** JButton(**"/"**);  
 JButton bequal=**new** JButton(**"="**);  
 JButton bpoint=**new** JButton(**"."**);  
 jpnl.add(b1);  
 jpnl.add(b2);  
 jpnl.add(b3);  
 jpnl.add(badd);  
 jpnl.add(b4);  
 jpnl.add(b5);  
 jpnl.add(b6);  
 jpnl.add(bsub);  
 jpnl.add(b7);  
 jpnl.add(b8);  
 jpnl.add(b9);  
 jpnl.add(bmul);  
 jpnl.add(bpoint);  
 jpnl.add(b0);  
 jpnl.add(bequal);  
 jpnl.add(bdiv);  
 jpnl.setVisible(**true**);  
 frm.setVisible(**true**);  
 b1.addActionListener(**new** ActionListener() {  
 @Override  
 **public void** actionPerformed(ActionEvent e) {  
 **if**(*equ*){  
 dis.setText(**"1"**);  
 *a*=0;  
 *b*=0;  
 *equ*=**false**;  
 }**else**{  
 dis.setText(dis.getText()+**"1"**);  
 }  
 }  
 });  
 b2.addActionListener(**new** ActionListener() {  
 @Override  
 **public void** actionPerformed(ActionEvent e) {  
 **if**(*equ*){  
 dis.setText(**"2"**);  
 *a*=0;  
 *b*=0;  
 *equ*=**false**;  
 }**else**{  
 dis.setText(dis.getText()+**"2"**);  
 }  
 }  
 });  
 b3.addActionListener(**new** ActionListener() {  
 @Override  
 **public void** actionPerformed(ActionEvent e) {  
 **if**(*equ*){  
 dis.setText(**"3"**);  
 *a*=0;  
 *b*=0;  
 *equ*=**false**;  
 }**else**{  
 dis.setText(dis.getText()+**"3"**);  
 }  
 }  
 });  
 b4.addActionListener(**new** ActionListener() {  
 @Override  
 **public void** actionPerformed(ActionEvent e) {  
 **if**(*equ*){  
 dis.setText(**"4"**);  
 *a*=0;  
 *b*=0;  
 *equ*=**false**;  
 }**else**{  
 dis.setText(dis.getText()+**"4"**);  
 }  
 }  
 });  
 b5.addActionListener(**new** ActionListener() {  
 @Override  
 **public void** actionPerformed(ActionEvent e) {  
 **if**(*equ*){  
 dis.setText(**"5"**);  
 *a*=0;  
 *b*=0;  
 *equ*=**false**;  
 }**else**{  
 dis.setText(dis.getText()+**"5"**);  
 }  
 }  
 });  
 b6.addActionListener(**new** ActionListener() {  
 @Override  
 **public void** actionPerformed(ActionEvent e) {  
 **if**(*equ*){  
 dis.setText(**"6"**);  
 *a*=0;  
 *b*=0;  
 *equ*=**false**;  
 }**else**{  
 dis.setText(dis.getText()+**"6"**);  
 }  
 }  
 });  
 b7.addActionListener(**new** ActionListener() {  
 @Override  
 **public void** actionPerformed(ActionEvent e) {  
 **if**(*equ*){  
 dis.setText(**"7"**);  
 *a*=0;  
 *b*=0;  
 *equ*=**false**;  
 }**else**{  
 dis.setText(dis.getText()+**"7"**);  
 }  
 }  
 });  
 b8.addActionListener(**new** ActionListener() {  
 @Override  
 **public void** actionPerformed(ActionEvent e) {  
 **if**(*equ*){  
 dis.setText(**"8"**);  
 *a*=0;  
 *b*=0;  
 *equ*=**false**;  
 }**else**{  
 dis.setText(dis.getText()+**"8"**);  
 }  
 }  
 });  
 b9.addActionListener(**new** ActionListener() {  
 @Override  
 **public void** actionPerformed(ActionEvent e) {  
 **if**(*equ*){  
 dis.setText(**"9"**);  
 *a*=0;  
 *b*=0;  
 *equ*=**false**;  
 }**else**{  
 dis.setText(dis.getText()+**"9"**);  
 }  
 }  
 });  
 b0.addActionListener(**new** ActionListener() {  
 @Override  
 **public void** actionPerformed(ActionEvent e) {  
 dis.setText(dis.getText()+**"0"**);  
 }  
 });  
 bpoint.addActionListener(**new** ActionListener() {  
 @Override  
 **public void** actionPerformed(ActionEvent e) {  
 dis.setText(dis.getText()+**"."**);  
 }  
 });  
 badd.addActionListener(**new** ActionListener() {  
 @Override  
 **public void** actionPerformed(ActionEvent e) {  
 **if**(*ope*){  
 *b*=Double.*parseDouble*(dis.getText());  
 **if**(*add*){  
 *a*=*a*+*b*;  
 *add*=**false**;  
 }**else if**(*sub*){  
 *a*=*a*-*b*;  
 *sub*=**false**;  
 }**else if**(*mul*){  
 *a*=*a*\**b*;  
 *mul*=**false**;  
 }**else if**(*div*){  
 *a*=*a*/*b*;  
 *div*=**false**;  
 }  
 }**else**{  
 *a*=Double.*parseDouble*(dis.getText());  
 }  
 dis.setText(**""**);  
 *ope*=**true**;  
 *add*=**true**;  
 }  
 });  
 bsub.addActionListener(**new** ActionListener() {  
 @Override  
 **public void** actionPerformed(ActionEvent e) {  
 **if**(*ope*){  
 *b*=Double.*parseDouble*(dis.getText());  
 **if**(*add*){  
 *a*=*a*+*b*;  
 *add*=**false**;  
 }**else if**(*sub*){  
 *a*=*a*-*b*;  
 *sub*=**false**;  
 }**else if**(*mul*){  
 *a*=*a*\**b*;  
 *mul*=**false**;  
 }**else if**(*div*){  
 *a*=*a*/*b*;  
 *div*=**false**;  
 }  
 }**else**{  
 *a*=Double.*parseDouble*(dis.getText());  
 }  
 dis.setText(**""**);  
 *ope*=**true**;  
 *sub*=**true**;  
 }  
 });  
 bmul.addActionListener(**new** ActionListener() {  
 @Override  
 **public void** actionPerformed(ActionEvent e) {  
 **if**(*ope*){  
 *b*=Double.*parseDouble*(dis.getText());  
 **if**(*add*){  
 *a*=*a*+*b*;  
 *add*=**false**;  
 }**else if**(*sub*){  
 *a*=*a*-*b*;  
 *sub*=**false**;  
 }**else if**(*mul*){  
 *a*=*a*\**b*;  
 *mul*=**false**;  
 }**else if**(*div*){  
 *a*=*a*/*b*;  
 *div*=**false**;  
 }  
 }**else**{  
 *a*=Double.*parseDouble*(dis.getText());  
 }  
 dis.setText(**""**);  
 *ope*=**true**;  
 *mul*=**true**;  
 }  
 });  
 bdiv.addActionListener(**new** ActionListener() {  
 @Override  
 **public void** actionPerformed(ActionEvent e) {  
 **if**(*ope*){  
 *b*=Double.*parseDouble*(dis.getText());  
 **if**(*add*){  
 *a*=*a*+*b*;  
 *add*=**false**;  
 }**else if**(*sub*){  
 *a*=*a*-*b*;  
 *sub*=**false**;  
 }**else if**(*mul*){  
 *a*=*a*\**b*;  
 *mul*=**false**;  
 }**else if**(*div*){  
 *a*=*a*/*b*;  
 *div*=**false**;  
 }  
 }**else**{  
 *a*=Double.*parseDouble*(dis.getText());  
 }  
 dis.setText(**""**);  
 *ope*=**true**;  
 *div*=**true**;  
 }  
 });  
 bequal.addActionListener(**new** ActionListener() {  
 @Override  
 **public void** actionPerformed(ActionEvent e) {  
 *b*=Double.*parseDouble*(dis.getText());  
 **if**(*add*){  
 *a*=*a*+*b*;  
 dis.setText(*a*+**""**);  
 }**else if**(*sub*){  
 *a*=*a*-*b*;  
 dis.setText(*a*+**""**);  
 }**else if**(*mul*){  
 *a*=*a*\**b*;  
 dis.setText(*a*+**""**);  
 }**else if**(*div*){  
 *a*=*a*/*b*;  
 dis.setText(*a*+**""**);  
 }  
 *equ*=**true**;  
 *ope*=**false**;  
 }  
 });  
 frm.setDefaultCloseOperation(JFrame.***EXIT\_ON\_CLOSE***);  
 }  
}