


```

        bm.addActionListener(c);
        bd.addActionListener(c);
        bs.addActionListener(c);
        ba.addActionListener(c);
        b9.addActionListener(c);
        b8.addActionListener(c);
        b7.addActionListener(c);
        b6.addActionListener(c);
        b5.addActionListener(c);
        b4.addActionListener(c);
        b3.addActionListener(c);
        b2.addActionListener(c);
        b1.addActionListener(c);
        b0.addActionListener(c);
        be.addActionListener(c);
        beq.addActionListener(c);
        beq1.addActionListener(c);

        p.add(l);
        p.add(ba);
        p.add(b1);
        p.add(b2);
        p.add(b3);
        p.add(bs);
        p.add(b4);
        p.add(b5);
        p.add(b6);
        p.add(bm);
        p.add(b7);
        p.add(b8);
        p.add(b9);
        p.add(bd);
        p.add(be);
        p.add(b0);
        p.add(beq);
        p.add(beq1);

        p.setBackground(Color.blue);

        f.add(p);

        f.setSize(200, 220);
        f.show();
    }
    public void actionPerformed(ActionEvent e)
    {
        String s = e.getActionCommand();

        if ((s.charAt(0) >= '0' && s.charAt(0) <= '9') || s.charAt(0)
== '.') {

            if (!s1.equals(""))
                s2 = s2 + s;
            else
                s0 = s0 + s;

            l.setText(s0 + s1 + s2);
        }
        else if (s.charAt(0) == 'C') {

            s0 = s1 = s2 = "";

            l.setText(s0 + s1 + s2);
        }
    }

```

```

else if (s.charAt(0) == '=') {

    double te;

    if (s1.equals("+"))
        te = (Double.parseDouble(s0) +
Double.parseDouble(s2));
    else if (s1.equals("-"))
        te = (Double.parseDouble(s0) -
Double.parseDouble(s2));
    else if (s1.equals("/"))
        te = (Double.parseDouble(s0) /
Double.parseDouble(s2));
    else
        te = (Double.parseDouble(s0) *
Double.parseDouble(s2));

    l.setText(s0 + s1 + s2 + "=" + te);

    s0 = Double.toString(te);

    s1 = s2 = "";
}
else {

    if (s1.equals("") || s2.equals(""))
        s1 = s;

    else {
        double te;

        if (s1.equals("+"))
            te = (Double.parseDouble(s0) +
Double.parseDouble(s2));
        else if (s1.equals("-"))
            te = (Double.parseDouble(s0) -
Double.parseDouble(s2));
        else if (s1.equals("/"))
            te = (Double.parseDouble(s0) /
Double.parseDouble(s2));
        else
            te = (Double.parseDouble(s0) *
Double.parseDouble(s2));

        s0 = Double.toString(te);

        s1 = s;

        s2 = "";
    }

    l.setText(s0 + s1 + s2);
}
}
}

```

