Experiment No;13 APPLET

```
import java.applet.Applet;
import java.awt.Button;
import java.awt.Graphics;
import java.awt.TextField;
import java.awt.event.ActionEvent;
import java.awt.event.ActionListener;
public class calculator extends Applet implements ActionListener {
Button add=null,sub=null,mul=null,div=null;
TextField num1,num2,result;
public void init(){
      add=new Button("Add");
      sub=new Button("Subtract");
      mul=new Button("Multiplication");
      div=new Button("Division");
      num1=new TextField(20);
      num1.SetSize(50,20);
      num2=new TextField(20);
      result=new TextField(20);

      add(add);
      add(sub);
      add(mul);
      add(div);

      add(num1);
      add(num2);
      add(result);

      add.addActionListener(this);
      sub.addActionListener(this);
      mul.addActionListener(this);
      div.addActionListener(this);
}

public void actionPerformed(ActionEvent ae){
double temp;
String str=ae.getActionCommand();
if(str.equals("add"))
{
      double a=Double.parseDouble(num1.getText());
      double b=Double.parseDouble(num2.getText());
      temp=a+b;
      result.SetText(String.valueOf(temp));
}
if(str.equals("Subtract"))
{
      double a=Double.parseDouble(num1.getText());
      double b=Double.parseDouble(num2.getText());
      temp=a-b;
      result.SetText(String.valueOf(temp));
}
if(str.equals("Multiplication"))
{
      double a=Double.parseDouble(num1.getText());
      double b=Double.parseDouble(num2.getText());
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        temp=a*b;
        result.setText(String.valueOf(temp));
}
if(str.equals("Division"))
{
        double a=Double.parseDouble(num1.getText());
        double b=Double.parseDouble(num2.getText());
        temp=a/b;
        result.setText(String.valueOf(temp));
}
}
}
```