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Subject:- Advanced Java Programming Lab

Experiment no.5

Aim:- Implementing GUI interface using various Swing Components.

Program A):-Program of Border Layout.

Input:-

```
package com.AJPEperiments;
import java.awt.*;
import javax.swing.JButton;
import javax.swing.JFrame;

public class Border {
    JFrame f;
    Border(){
        f = new JFrame("Border Layout with Font changed!!");
        JButton b1 = new JButton("RAIGAD");
        JButton b2 = new JButton("TORNA");
        JButton b3 = new JButton("PRATAPGAD");
        JButton b4 = new JButton("RAJGAD");
        JButton b5 = new JButton("Forts Won By Chhatrapati Shivaji Maharaj");
        f.add(b1, BorderLayout.EAST);
        f.add(b2, BorderLayout.WEST);
        f.add(b3, BorderLayout.SOUTH);
        f.add(b4, BorderLayout.NORTH);
        f.add(b5, BorderLayout.CENTER);
        b1.setFont(new Font("Times New Roman",Font.ITALIC,16));
        b2.setFont(new Font("Times New Roman",Font.ITALIC,16));
        b3.setFont(new Font("Times New Roman",Font.ITALIC,16));
        b4.setFont(new Font("Times New Roman",Font.ITALIC,16));
        b5.setFont(new Font("Times New Roman",Font.ITALIC,16));
        b1.setBackground(Color.orange);
        b2.setBackground(Color.orange);
        b3.setBackground(Color.orange);
        b4.setBackground(Color.orange);
        b5.setBackground(Color.orange);
    }
}
```

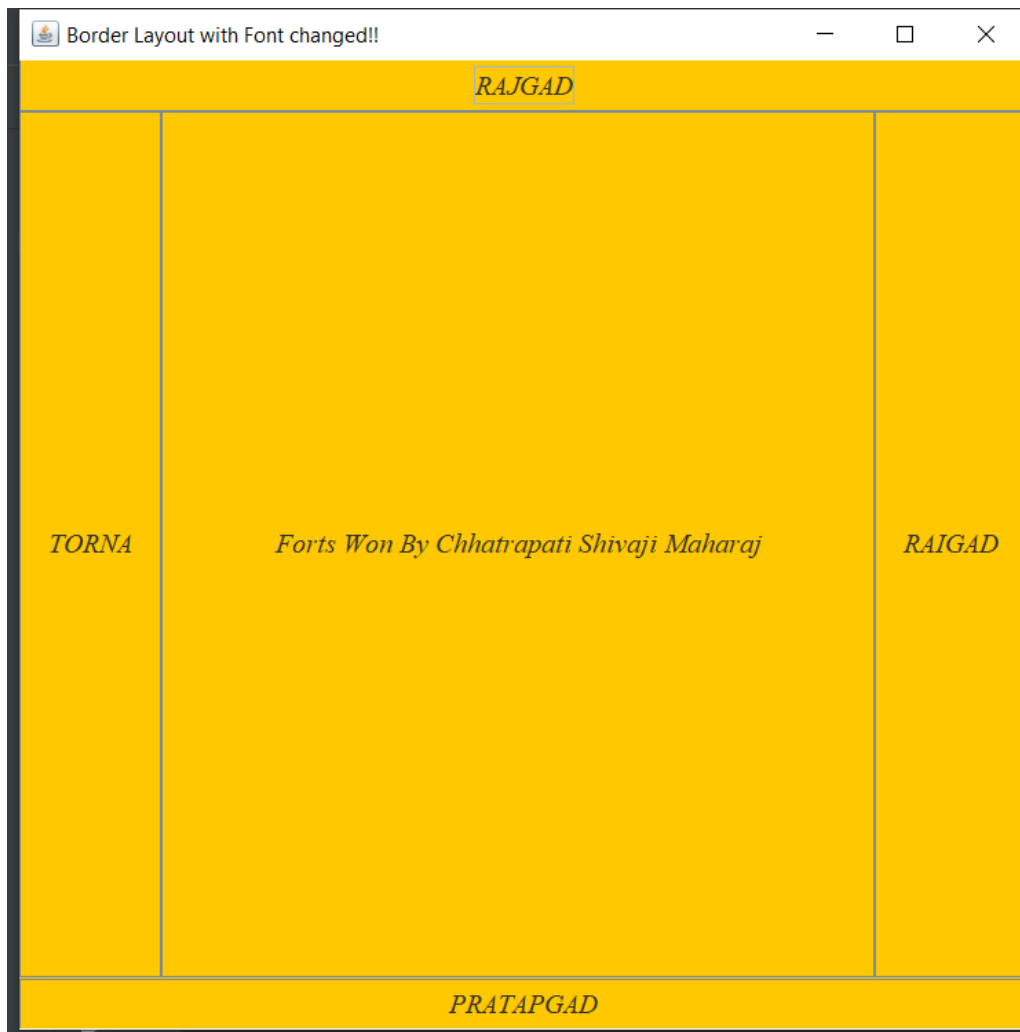
```

        f.setSize(600,600);
        f.setVisible(true);
    }

    public static void main(String[] args) {
        Border obj = new Border();
    }
}

```

Output:-



Program B):-Program of Grid Layout.

Input:-

```

package com.AJPExperiments;
import java.awt.*;
import javax.swing.*;

```

```

public class Grid {
    JFrame fr;
    Grid(){
        fr = new JFrame("Hindu Religious Books");
        JButton b1 = new JButton("MAHABHARATA");
        JButton b2 = new JButton("BHAGAVAD GITA");
        JButton b3 = new JButton("RAMAYANA");
        JButton b4 = new JButton("ATHARVAVEDA");
        JButton b5 = new JButton("BHRAHMANA");
        JButton b6 = new JButton("PANCHATANTRA");
        JButton b7 = new JButton("UPANISHADAS");
        JButton b8 = new JButton("PURANAS");
        JButton b9 = new JButton("ARTHASHASTRA");
        JButton b10 = new JButton("RIGVEDA");
        b1.setFont(new Font("Copperplate Gothic Bold",Font.ITALIC,16));
        b2.setFont(new Font("Copperplate Gothic Bold",Font.ITALIC,16));
        b3.setFont(new Font("Copperplate Gothic Bold",Font.ITALIC,16));
        b4.setFont(new Font("Copperplate Gothic Bold",Font.ITALIC,16));
        b5.setFont(new Font("Copperplate Gothic Bold",Font.ITALIC,16));
        b6.setFont(new Font("Copperplate Gothic Bold",Font.ITALIC,16));
        b7.setFont(new Font("Copperplate Gothic Bold",Font.ITALIC,16));
        b8.setFont(new Font("Copperplate Gothic Bold",Font.ITALIC,16));
        b9.setFont(new Font("Copperplate Gothic Bold",Font.ITALIC,16));
        b10.setFont(new Font("Copperplate Gothic Bold",Font.ITALIC,16));
        b1.setBackground(Color.red);
        b2.setBackground(Color.red);
        b3.setBackground(Color.red);
        b4.setBackground(Color.red);
        b5.setBackground(Color.red);
        b6.setBackground(Color.red);
        b7.setBackground(Color.red);
        b8.setBackground(Color.red);
        b9.setBackground(Color.red);
        b10.setBackground(Color.red);
        fr.add(b1);
        fr.add(b2);
        fr.add(b3);
        fr.add(b4);
        fr.add(b5);
        fr.add(b6);
        fr.add(b7);
        fr.add(b8);
        fr.add(b9);
        fr.add(b10);
        fr.setLayout(new GridLayout(2,5));
        fr.setSize(950,500);
        fr.setVisible(true);
    }
}

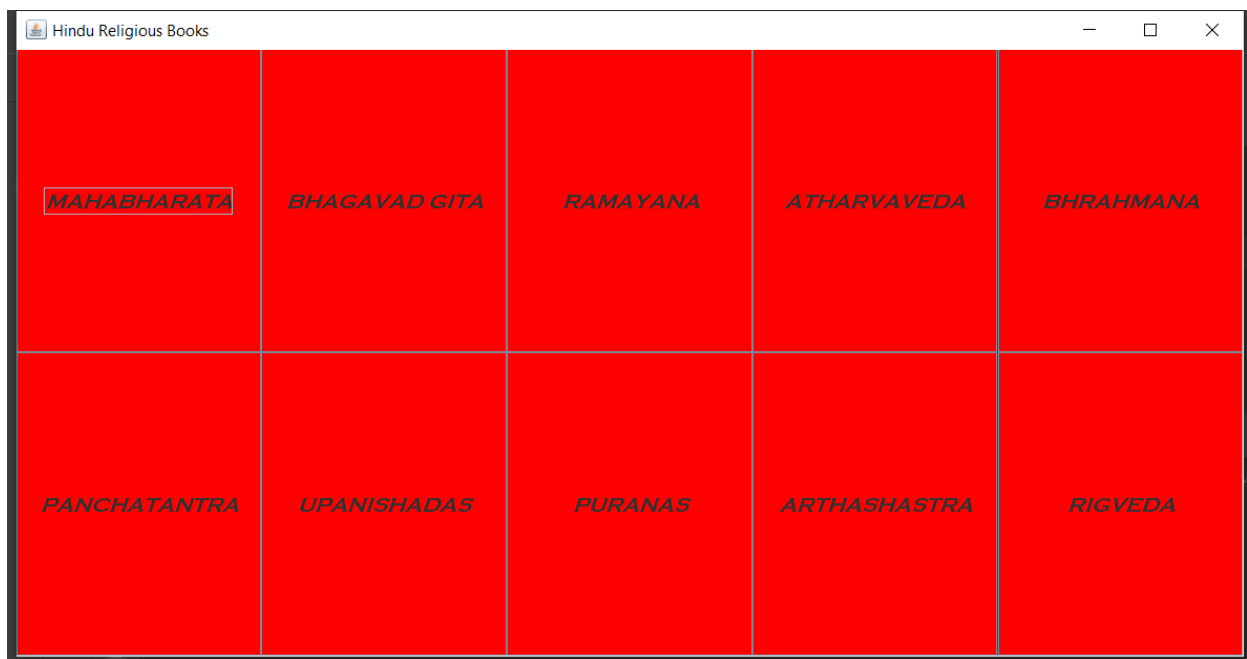
```

```

    }
    public static void main(String[] args) {
        new Grid();
    }
}

```

Output:-



Practical Performance (4)	Writeup & Oral (4)	Attendance (2)	Total (10)