

CODES

Welcome page:

```
import java.awt.Color;
import javax.swing.ImageIcon;
import javax.swing.JFrame;
import javax.swing.JLabel;
import java.awt.Font;
import java.awt.event.ActionEvent;
import java.awt.event.ActionListener;
import javax.swing.JButton;
public class BMICalculator extends JFrame {
    BMICalculator() {
        ImageIcon img = new ImageIcon(getClass().getResource("Ss.jpg"));
        JLabel im = new JLabel(img);
        im.setBounds(0,0,1200,600);
        add(im);

        JLabel title = new JLabel("BMI Calculator");
        title.setBounds(500,100,300,30);
        title.setFont(new Font("Times New Roman",Font.BOLD,30));
        im.add(title);

        JButton button = new JButton("GO");
        button.setBounds(500,475,200,50);
        button.setFont(new Font("Times New Roman",Font.BOLD,30));
        button.setBackground(Color.pink);
        im.add(button);

        button.addActionListener(new ActionListener() {
            @Override
            public void actionPerformed(ActionEvent e) {
                setVisible(false);
                new Register();
            }
        });
        setTitle("Welcome Page");
        setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
        setLayout(null);
        setSize(1200, 666);
        setVisible(true);
    }
    public static void main(String[] args){
        new BMICalculator();
    }
}
```

Register Page:

```
import java.awt.*;
import java.awt.event.ActionEvent;
import java.awt.event.ActionListener;
import javax.swing.*;

public class Register extends JFrame {
    JLabel message;
    JLabel nameLabel, genderLabel;
    JTextField nameField;
    JRadioButton genderMale, genderFemale;
    ButtonGroup genderGroup;
    JLabel mailIdLabel, mobileNoLabel;
    JTextField mailIdField, mobileNoField;

    JLabel lifestyleLabel;
    JComboBox<String> lifestyleList;

    JButton registerButton;
    Container cont;
    JLabel container;

    public Register() {
        cont = getContentPane();
        cont.setLayout(null);

        ImageIcon imm = new ImageIcon(getClass().getResource("back.jpg"));
        container = new JLabel(imm);
        container.setBounds(0,0,500,515);
        cont.add(container);

        message = new JLabel("Enter your Details");
        message.setFont(new Font("Courier", Font.BOLD, 20));
        message.setForeground(Color.WHITE);

        nameLabel = new JLabel("Name");
        nameLabel.setForeground(Color.WHITE);
        nameField = new JTextField();
        nameField.setBackground(Color.GRAY);

        genderLabel = new JLabel("Gender");
        genderLabel.setForeground(Color.WHITE);
        genderMale = new JRadioButton("Male");
        genderFemale = new JRadioButton("Female");
        genderGroup = new ButtonGroup();
        genderGroup.add(genderMale);
        genderGroup.add(genderFemale);

        mailIdLabel = new JLabel("Mail Id");
        mailIdLabel.setForeground(Color.WHITE);
        mailIdLabel.setForeground(Color.WHITE);
        mailIdField = new JTextField();
        mailIdField.setBackground(Color.GRAY);
    }
}
```

```

mobileNoLabel = new JLabel("Mobile No");
mobileNoLabel.setForeground(Color.WHITE);
mobileNoField = new JTextField();
mobileNoField.setBackground(Color.GRAY);

lifestyleLabel = new JLabel("Lifestyle");
lifestyleLabel.setForeground(Color.WHITE);
lifestyleList = new JComboBox<String>();
lifestyleList.setForeground(Color.GRAY);
lifestyleList.addItem("Labourer");
lifestyleList.addItem("Student");
lifestyleList.addItem("Employee");

registerButton = new JButton("Register");
registerButton.setBackground(Color.GRAY);
registerButton.addActionListener(new ActionListener() {
    public void actionPerformed(ActionEvent e) {
        new Calculator();
        setVisible(false);
    }
});

setBounds();
addComponents();

setTitle("Registration Box");
setVisible(true);
setBounds(500, 100, 500, 515);
setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
setResizable(true);
}

public void setBounds() {
    message.setBounds(150, 10, 600, 30);

    nameLabel.setBounds(70, 60, 100, 30);
    nameField.setBounds(150, 60, 200, 30);

    genderLabel.setBounds(70, 120, 100, 30);
    genderMale.setBounds(150, 120, 100, 30);
    genderFemale.setBounds(150, 145, 100, 30);

    mailIdLabel.setBounds(70, 183, 100, 30);
    mailIdField.setBounds(150, 183, 200, 30);

    mobileNoLabel.setBounds(70, 240, 100, 30);
    mobileNoField.setBounds(150, 240, 200, 30);

    lifestyleLabel.setBounds(70, 300, 100, 30);
    lifestyleList.setBounds(150, 300, 200, 30);

    registerButton.setBounds(150, 360, 200, 30);
}

```

```

public void addComponents() {
    container.add(message);
    container.add(nameLabel);
    container.add(nameField);

    container.add(genderLabel);
    container.add(genderMale);
    container.add(genderFemale);

    container.add(mailIdLabel);
    container.add(mailIdField);

    container.add(mobileNoLabel);
    container.add(mobileNoField);

    container.add(lifestyleLabel);
    container.add(lifestyleList);

    container.add(registerButton);
}
public static void main(String[] args) {
    new Register();
}
}

```

Calculation Page:

```

import java.awt.Color;
import java.awt.Container;
import java.awt.Font;
import java.awt.event.ActionEvent;
import java.awt.event.ActionListener;
import javax.swing.*;

public class Calculator extends JFrame {
    Calculator() {

        Container conn = getContentPane();
        conn.setLayout(null);

        JLabel label = new JLabel("BMI CALCULATOR");
        label.setFont(new Font("Times New Roman", Font.BOLD, 25));
        label.setBounds(50, 20, 300, 30);
        add(label);

        JLabel age = new JLabel("Age");
        age.setFont(new Font("Times New Roman", Font.BOLD, 18));
        age.setBounds(50, 70, 100, 30);
        add(age);

        JTextField agefield = new JTextField();
        agefield.setBounds(150, 70, 200, 30);
        add(agefield);
    }
}

```

```

JLabel height = new JLabel("Height");
height.setFont(new Font("Times New Roman", Font.BOLD, 18));
height.setBounds(50, 140, 100, 30);
add(height);

JTextField hField = new JTextField();
hField.setBounds(150, 140, 200, 30);
add(hField);

JLabel weight = new JLabel("Weight");
weight.setFont(new Font("Times New Roman", Font.BOLD, 18));
weight.setBounds(50, 210, 100, 30);
add(weight);

JTextField wfield = new JTextField();
wfield.setBounds(150, 210, 200, 30);
add(wfield);

JButton b = new JButton("Submit");
b.setBounds(90, 260, 200, 30);
add(b);

JButton c = new JButton("Tips");
c.setBounds(480, 320, 100, 30);
add(c);
c.addActionListener(new ActionListener() {
    public void actionPerformed(ActionEvent e) {
        new Tipspage();
        setVisible(false);
    }
});

JPanel panel = new JPanel();
panel.setBackground(new Color(0, 100, 182, 100));
panel.setLocation(360, 50);
panel.setSize(200, 70);
panel.setLayout(null);
panel.setBorder(BorderFactory.createEtchedBorder(50, Color.BLACK,
Color.black));
add(panel);
panel.setVisible(false);

JLabel bmi = new JLabel();
bmi.setFont(new Font("Times New Roman", Font.BOLD, 18));
bmi.setBounds(20, 20, 200, 30);
panel.add(bmi);

ImageIcon Yuo = new ImageIcon(getClass().getResource("Cal.jpg"));
JLabel ime = new JLabel(Yuo);
ime.setBounds(0, 0, 600, 400);
add(ime);

b.addActionListener(new ActionListener() {
    public void actionPerformed(ActionEvent e) {
        double h = Double.parseDouble(hField.getText());

```

```

        double w = Double.parseDouble(wfield.getText());
        System.out.println(h);
        double b = w / (h * h);
        if(b<18){
            bmi.setText(b+"");
            bmi.setText(" Underweight\n");
            panel.setVisible(true);
        } else if (b>24) {
            bmi.setText(b+"");
            bmi.setText(" Obese\n");
            panel.setVisible(true);
        }
        else{
            bmi.setText(b+"");
            bmi.setText("Normal\n");
            panel.setVisible(true);
        }
    }
});
setTitle("Calculator");
setLayout(null);
setLocation(300, 150);
setSize(600, 400);
setVisible(true);
}
public static void main(String[] args) {
    new Calculator();
}
}

```

Tips page:

```

import java.awt.*;
import java.awt.event.ActionEvent;
import java.awt.event.ActionListener;
import javax.swing.*;

public class Tipspage extends JFrame {
    JButton UnderweightButton, OverweightButton;
    Container cont;
    JLabel container;
    JLabel message1;
    JLabel message2;
    JLabel message3;
    JLabel message4;

    public Tipspage() {
        cont = getContentPane();
        cont.setLayout(null);

        ImageIcon imm = new ImageIcon(getClass().getResource("back.jpg"));
        container = new JLabel(imm);
        container.setBounds(0,0,500,515);
    }
}

```

```

        cont.add(container);

        message1 = new JLabel("Are you Underweight?");
        message1.setFont(new Font("Courier", Font.BOLD, 30));
        message1.setForeground(Color.WHITE);

        message2 = new JLabel("Well here are some tips");
        message2.setFont(new Font("Courier", Font.BOLD, 30));
        message2.setForeground(Color.WHITE);

        message3 = new JLabel("Are you Overweight?");
        message3.setFont(new Font("Courier", Font.BOLD, 30));
        message3.setForeground(Color.WHITE);

        message4 = new JLabel("Well here are some tips");
        message4.setFont(new Font("Courier", Font.BOLD, 30));
        message4.setForeground(Color.WHITE);

        UnderweightButton = new JButton("Underweight");
        UnderweightButton.addActionListener(new ActionListener() {
            public void actionPerformed(ActionEvent e) {
                new Underweight();
                setVisible(false);
            }
        });

        OverweightButton = new JButton("Overweight");
        OverweightButton.addActionListener(new ActionListener() {
            public void actionPerformed(ActionEvent e) {
                new OverweightTips();
                setVisible(false);
            }
        });

        setBounds();
        addComponents();

        setTitle("TipwayPortal");
        setVisible(true);
        setBounds(500, 100, 500, 515);
        setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
        setResizable(true);
    }

    public void setBounds() {

        message1.setBounds(60, 100, 600, 30);
        message2.setBounds(60, 140, 600, 30);
        message3.setBounds(60, 240, 600, 30);
        message4.setBounds(60, 280, 600, 30);
        UnderweightButton.setBounds(130, 190, 200, 30);
        OverweightButton.setBounds(130, 330, 200, 30);

    }

```

```

    public void addComponents() {
        container.add(message1);
        container.add(message2);
        container.add(message3);
        container.add(message4);
        container.add(UnderweightButton);
        container.add(OverweightButton);
    }

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

```

Overweight page:

```

import java.awt.*;
import javax.swing.*;

public class OverweightTips extends JFrame {
    Container cont;
    JLabel container;
    JLabel message1;
    JLabel message2;
    JLabel message3;
    JLabel message4;

    public OverweightTips() {
        cont = getContentPane();
        cont.setLayout(null);

        ImageIcon imm = new ImageIcon(getClass().getResource("back.jpg"));
        container = new JLabel(imm);
        container.setBounds(0, 0, 500, 515);
        cont.add(container);

        //MESSAGES

        message1 = new JLabel("Be in Calorie deficiate");
        message1.setFont(new Font("Courier", Font.BOLD, 30));
        message1.setForeground(Color.WHITE);

        message2 = new JLabel("Walk atleast 10000 steps daily");
        message2.setFont(new Font("Courier", Font.BOLD, 30));
        message2.setForeground(Color.WHITE);

        message3 = new JLabel("Do daily cardio of one hour");
        message3.setFont(new Font("Courier", Font.BOLD, 30));
        message3.setForeground(Color.WHITE);

        message4 = new JLabel("Well here are some tips");
    }
}

```



```

        message4.setFont(new Font("Courier", Font.BOLD, 30));
        message4.setForeground(Color.WHITE);

        setBounds();
        addComponents();

        setTitle("Overweight");
        setVisible(true);
        setBounds(500, 100, 500, 515);
        setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
        setResizable(true);
    }

    public void setBounds() {

        message1.setBounds(50, 100, 600, 30);
        message2.setBounds(50, 150, 600, 30);
        message3.setBounds(50, 200, 600, 30);
        message4.setBounds(50, 250, 600, 30);

    }

    public void addComponents() {
        container.add(message1);
        container.add(message2);
        container.add(message3);
        container.add(message4);
    }

    public static void main(String[] args) {

        new OverweightTips();
    }
}

```

Underweight page:

```

import java.awt.*;
import javax.swing.*;

public class Underweight extends JFrame {
    Container cont;
    JLabel container;
    JLabel message1;
    JLabel message2;
    JLabel message3;
    JLabel message4;

    public Underweight() {
        cont = getContentPane();
        cont.setLayout(null);
    }
}

```

```

        ImageIcon imm = new ImageIcon(getClass().getResource("back.jpg"));
        container = new JLabel(imm);
        container.setBounds(0,0,500,515);
        cont.add(container);

        message1 = new JLabel("Be in Calorie Surplus");
        message1.setFont(new Font("Courier",Font.BOLD, 30));
        message1.setForeground(Color.WHITE);

        message2 = new JLabel("Start lifting Weights");
        message2.setFont(new Font("Courier", Font.BOLD, 30));
        message2.setForeground(Color.WHITE);

        message3 = new JLabel("Eat atleast six meals a day");
        message3.setFont(new Font("Courier", Font.BOLD, 30));
        message3.setForeground(Color.WHITE);

        message4 = new JLabel("Well here are some tips");
        message4.setFont(new Font("Courier", Font.BOLD, 30));
        message4.setForeground(Color.WHITE);

        setBounds();
        addComponents();

        setTitle("Underweight");
        setVisible(true);
        setBounds(500, 100, 500, 400);
        setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
        setResizable(true);
    }

    public void setBounds() {

        message1.setBounds(50, 100, 600, 30);
        message2.setBounds(50, 150, 600, 30);
        message3.setBounds(50, 205, 600, 30);
        message4.setBounds(50, 250, 600, 30);

    }

    public void addComponents() {
        container.add(message1);
        container.add(message2);
        container.add(message3);
        container.add(message4);
    }

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

```

