**bmi calculator**

**mport 'package:flutter/material.dart'**;

**import 'BmiCalculator.dart'**;

**void** main(){

runApp(MaterialApp(

title:**'BMI CALCULATOR'**,

home:BmiCalculator(),

));

**import 'package:flutter/material.dart'**;

**class** BmiCalculator **extends** StatefulWidget {

@override

State<StatefulWidget> createState() {

**return** \_BmiCalculator();

}

}

**class** \_BmiCalculator **extends** State<BmiCalculator> {

double **\_calculation**;

String **\_calcResult**;

String **\_result**;

TextEditingController **\_heightFieldController** = TextEditingController();

TextEditingController **\_weightFieldController** = TextEditingController();

**void** \_formulaBMI() {

double height = double.*parse*(**\_heightFieldController**.**text**);

double weight = double.*parse*(**\_weightFieldController**.**text**);

**if** (height != **null** && weight != **null**) {

setState(() {

height = height \* 12;

**\_calculation** = (weight / (height \* height)) \* 703;

**\_calcResult** = **\_calculation**.toStringAsFixed(2);

**if** (**\_calculation** < 10.5) {

**\_result** = **"UNDERWEIGHT"**;

} **else if** (**\_calculation** >= 10.5 && **\_calculation** <= 24.9) {

**\_result** = **"HEALTHY"**;

} **else if** (**\_calculation** >= 25.0 && **\_calculation** <= 29.9) {

**\_result** = **"OVERWEIGHT"**;

} **else** {

**\_result** = **"OBESE"**;

}

});

}

}

@override

Widget build(BuildContext context) {

**return** Scaffold(

appBar: AppBar(backgroundColor: Colors.*pink*,

title: Text(**'BMI CALCULATOR'**,)),

body: ListView(

padding: **const** EdgeInsets.all(3.5),

children: <Widget>[

Image.asset(**"images/redapple.jpg"**, height: 120.0, width: 150.0,),

Container(

color: Colors.*green*, padding: **const** EdgeInsets.all (5.0),

child: Column(

mainAxisAlignment: MainAxisAlignment.**center**,

children: <Widget>[

TextField(

controller: **\_heightFieldController**,

keyboardType: TextInputType.*number*,

decoration: InputDecoration(

labelText: **'height in feet'**,

icon: Icon(Icons.*accessibility*),

),

),

TextField(

controller: **\_weightFieldController**,

keyboardType: TextInputType.*number*,

decoration: InputDecoration(

labelText: **'weight in pounds'**,

icon: Icon(Icons.*accessibility*),

),

),

RaisedButton(onPressed: \_formulaBMI,

child: Text(**'calculate'**,

style: TextStyle(fontWeight: FontWeight.*bold*,),),

color: Colors.*teal*,

textColor: Colors.*black*,

),

],

),

),

Padding(padding: **const** EdgeInsets.all(5.5)),

Container(

alignment: Alignment.*topCenter*,

child: Column(

mainAxisAlignment: MainAxisAlignment.**center**,

children: <Widget>[

Text(**\_calcResult** != **null** ? **'**$**\_calcResult'** : **''**,

style: TextStyle(

color: Colors.*red*,

fontSize: 45.0,

fontWeight: FontWeight.*w700*,

),

),

Text(

**\_result** != **null** ? **\_result** : **''**,

style: TextStyle(

fontSize: 20.0

),

),

],

),

),

],

),

);

}

}