#Build a Webpage with Python

#Step 1: To begin with, install flask

#pip install streamlit

Flask is a web development framework. With Python, there are two modules one can use for web development: Django and Flask. Here I am using Flask to build a webpage with the controls as per the given project

* First Creating a Web application using Flask
* Writing the code in html for the controls as per the given project
* Calculating the BMI of a person (using JS)
* Adding the file path of JS to html
* Finally importing the html file in the web application code.

#Step 2: Minimal Web Application

from flask import Flask

app = Flask(\_\_name\_\_)

@app.route('/')

def index():

return render \_template("code.html") //here I am adding the html file

if "\_\_name\_\_" == "\_\_main\_\_":

app.run(debug=True)

#Step 3 : Adding html

<!Doctype Html>

<Html>

<Head>

<Title>WebPage</Title>

<script src = "/Web/javascript/BMI.js">// here the code in javascript is added

</script>

</Head>

<Body>

<br>

<form>

Name:

<input type="text" name="Name" size="20">

<br> <br>

</form>

Gender:

Male

<input type="radio" checked=true name="user\_gender">

Female

<input type="radio" name="user\_gender">

<br><br>

Age:

<input type="number" name="age" min="1" max="100">

<br> <br>

<form>

Address:

<input type="text" name="Address" size="50">

<br> <br>

Hobbies: <br>

<label> <input type="checkbox"> Cricket</label>

<label> <input type="checkbox"> Singing</label>

<label> <input type="checkbox"> Reading Novels</label>

<label> <input type="checkbox"> vedio games </label>

<br><br>

<div class="container">

<h1>BMI Calculator</h1>

<label>

<input id="h-input" type="number" placeholder="Enter Your Height in Centimeters: ">

</label>

<label>

<input id="w-input" type="number" placeholder="Enter Your Weight in Kilogrames: ">

</label>

<button type="submit" onclick="Calculate()">Calculate BMI</button>

<div class="bmi-value">

<h4>BMI Value: </h4>

<div id="bmi-output"></div>

</div>

<div class="status">

<h4>Status: </h4>

<div id="bmi-status"></div>

</div>

</div>

</Body>

</Html>

#Step 4: Adding Javascript

function Calculate(){

var height = document.getElementById("h-input").value;

var weight = document.getElementById("w-input").value;

var result = parseFloat(weight) /(parseFloat(height)/100)\*\*2;

if(!isNaN(result)){

document.getElementById("bmi-output").innerHTML = result;

if(result < 18.5){

document.getElementById("bmi-status").innerHTML = "Underweight";

}

else if(result < 25){

document.getElementById("bmi-status").innerHTML = "Healthy";

}

else if(result < 30){

document.getElementById("bmi-status").innerHTML = "Overweight";

}

else{

document.getElementById("bmi-status").innerHTML = "Obesity";

}

}

}