Lab Six

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Course: SDEV 300

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Files

- One python file. Lab_six.py
- Two html files. Index.htm and output.html
- Two CSS files. Style.css and style_r.css

Assumptions

- Users enter digits only.
- User knows how to navigate the web and return back to the home page.

Test Case	Test Description	Procedure	Input	Expected Output	Actual Output	Pass?
1	Test if the home page is properly displayed	+ run lab_six.py + click on http://127.0.0.1:5000	None	Home page will be displayed	Home page is displayed	Yes
2a	Test if the page performs addition correctly	+ run lab_six.py + click on http://127.0.0.1:5000 + type '2' and '3' in the first and second fields respectively. + click on 'add' button	2, 3	The site will be routed to a different route and display the output. 5.0	The site is routed to a different route and displays the output. 5.0	Yes
2b	Test if the page performs substruction correctly	+ run lab_six.py + click on http://127.0.0.1:5000 + type '2' and '3' in the first and second fields respectively. + click on ''subtract'' button	2, 3	The site will be routed to a different route and display the output. -1.0	The site is routed to a different route and displays the output. -1.0	Yes
2c	Test if the page performs	+ run lab_six.py + click on http://127.0.0.1:5000	6, 3	The site will be routed to a	The site is routed to a different	Yes

	division correctly	+ type '6' and '3' in the first and second fields respectively. + click on ''Divide'' button		different route and display the output. 2.0	route and displays the output. -2.0	
2d	Test if the page performs multiplication correctly	+ run lab_six.py + click on http://127.0.0.1:5000 + type '2' and '3' in the first and second fields respectively. + click on ''multiply'' button	2, 3	The site will be routed to a different route and display the output. 6.0	The site is routed to a different route and displays the output. 6.0	Yes
3	Test if the links open when clicked	+ run lab_six.py + click on http://127.0.0.1:5000 + click on the "learn addition and substruction" link or right click on it and click on the "open in a new tab" option.	None	The site will be routed to another web.	The site is routed to another web.	Yes
4	Test if the web return to the home page when user click on "go back".	+ run lab_six.py + click on http://127.0.0.1:5000 + type '6' and '3' in the first and second fields respectively. + click on ''Divide'' button. + click on either the "here" or "go back" link.	None	The site will return to the home page.	The site is returned to the home page.	Yes
5	Test if date and time is displayed on the site both on the home and output site.	+ run lab_six.py + click on http://127.0.0.1:5000	None	Time and date will be displayed	Time and date will be displayed.	Yes

Screenshots

1

2023-06-26 19:59:23.297320

SDEV 300
Simple Calculator

		Add
		Subtract
		Divide
		Multiply

Useful Links:
- learn Addition and Subtraction
- Math Drill
- Order of Operation

2a

Go Back

Date and Time: 2023-06-26 20:07:18.437552

Type of Operation = Addition:

Addition between 2.0 and 3.0 is 5.0

Click here to perform another operation

Useful Links:
- learn Addition and Subtraction
- Math Drill
- Order of Operation

2b

Go Back

Date and Time: 2023-06-26 20:34:09.131514

Type of Operation = Subtraction:

Subtraction between 2.0 and 3.0 is -1.0

Click here to perform another operation

Useful Links:
- learn Addition and Subtraction
- Math Drill
- Order of Operation

2c

Go Back

Date and Time: 2023-06-26 20:35:42.263040

Type of Operation = Division:

Division between 6.0 and 3.0 is 2.0

Click here to perform another operation

Useful Links:
- learn Addition and Subtraction
- Math Drill
- Order of Operation

2d

Go Back

Date and Time: 2023-06-26 20:38:26.993230

Type of Operation = Multiplication:

Multiplication between 2.0 and 3.0 is 6.0

Click here to perform another operation

Useful Links:
- learn Addition and Subtraction
- Math Drill
- Order of Operation

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Date and Time: 2023-06-26 20:50:31.302538

Pylint Analysis

1st Try

```
Microsoft Windows [Version 10.0.22621.1848]
(c) Microsoft Corporation. All rights reserved.

C:\Users\zack1>cd C:\Users\zack1\PycharmProjects\labSix

C:\Users\zack1\PycharmProjects\labSix>pylint lab_six.py
************* Module lab_six
lab_six.py:36:0: C0301: Line too long (103/100) (line-too-long)
lab_six.py:60:0: C0301: Line too long (106/100) (line-too-long)
lab_six.py:1:0: C0114: Missing module docstring (missing-module-docstring)
lab_six.py:2:0: C0411: standard import "from datetime import datetime" should be placed before "from flask import Flask,
 render_template, request" (wrong-import-order)

----------------------------------
Your code has been rated at 8.62/10


C:\Users\zack1\PycharmProjects\labSix>
```

2nd Try

```
C:\Users\zack1\PycharmProjects\labSix>pylint lab_six.py

--------------------------------------------------------------------
Your code has been rated at 10.00/10 (previous run: 8.62/10, +1.38)


C:\Users\zack1\PycharmProjects\labSix>
```