

Lab Six

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Course: SDEV 300

Professor: Armando Quintananieve

Date: 6/27/2023

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 subtraction 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 subtraction" 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

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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Unit: Addition and subtraction

Progress

- Basic addition and subtraction
▶ ▶ ▶ ▶
- Making 10
▶ ▶
- Addition and subtraction word problems within 10
▶ ▶
- Quiz 1
9 questions
- Addition and subtraction within 20
▶ ▶ ▶ ▶ ▶ ▶ ▶ ▶
- Word problems within 20
▶ ▶ ▶ ▶
- Word problems with "more" and "less"


About this unit

In this topic, we will add and subtract whole numbers. The topic starts with 1+1=2 and goes through adding and subtracting within 1000. We will cover regrouping, borrowing, and word problems.

Basic addition and subtraction

Learn:

▶ Basic addition	Add within 5 7 questions	Practice
▶ Basic subtraction	Subtract within 5 7 questions	Practice
▶ Add and subtract pieces of fruit	Add within 10 7 questions	Practice
▶ Relating addition and subtraction	Subtract within 10 7 questions	Practice
	Relate addition and subtraction	Practice



Mixed Operations Math Worksheets

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Most Popular Mixed Operations Math Worksheets

- 1. Addition and subtraction facts for 2 worksheets
- 2. Addition and subtraction facts beyond 2 worksheets
- 3. Multi-Digit addition and subtraction
- 4. Mixed multiplication and division worksheets
- 5. Multiplying and dividing by **force** numbers

Mixed Operations Math Worksheets

- 6. Mixed multiplication and division (horizontal)
- 7. European Format Mixed multiplication and division (horizontal)
- 8. Mixed addition, subtraction and multiplication worksheets
- 9. Mixed addition, subtraction and multiplication worksheets (horizontal)
- 10. European Format Mixed addition, subtraction and multiplication (horizontal)

All Operations Worksheets

- 11. All operations mixed worksheets
- 12. All operations mixed worksheets (horizontal)
- 13. European Format All Operations Mixed worksheets (horizontal)

Input/Output Tables


- 14. Input/output tables (black outputs)

Order of Operations

- 15. Order of operations with whole numbers

Operations in Other Base Number Systems

- 16. Operations in other base number systems



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Mixed Operations Math Worksheets

- 1. Kindergarten
- 2. First Grade
- 3. Second Grade
- 4. Third Grade
- 5. Fourth Grade
- 6. Fifth Grade
- 7. Sixth Grade
- 8. Seventh Grade
- 9. Eighth Grade
- 10. Algebra 1&2
- 11. Geometry
- 12. Precalculus

[illegible]

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>
```