INTRO TO QUANTUM COMPUTING

Week 7 Lab

FUNCTIONS IN PYTHON

<insert TA name>

<insert date>

- Attendance quiz

- Pre-lab zoom feedback

- Corrections in Homework 7

- Lab content

- Post-lab zoom feedback

Canvas attendance quiz passcode:

CANVAS ATTENDANCE QUIZ

- Please log into Canvas and answer your lab section's quiz (using the password posted below and in the chat).
  - This is lab number :
  - Passcode:

- Did you know how to code before taking this course?

- Did you have any experience with Python before learning it in this course?

- **This quiz not graded, but counts for your lab attendance!**

Canvas attendance quiz passcode:

QUBIT X QUBIT

On a scale of 1 to 5, how would you rate your understanding of this week's content?

- 1 – Did not understand anything
- 2 – Understood some parts
- 3 – Understood most of the content
- 4 – Understood all of the content
- 5 – The content was easy for me/I already knew all of the content

Canvas attendance quiz passcode:

Question 5 (old)

> ### Question 5 — 0 / 3 pts
>
> Fill in the blank:
>
> The program should ask the user to input how many seashells they collected. If they have 3 seashells, tell them to give 1 seashell to their friend. If they have less than 3 seashells, tell them to keep them for themselves.
>
> ```
> seashells = int(input("How many seashells do you have?"))
>
>
> if [answer1]:
>     print("Give your friend a seashell.")
> else:
>   print("Keep the seashells for yourself.")
> ```

Canvas attendance quiz passcode:

QUBIT X QUBIT

Question 5 (updated)

Question 5   3 / 3 pts

Fill in the blank:

The program should ask the user to input how many seashells they collected. If they have 3 seashells, tell them to give 1 seashell to their friend. If not, tell them to keep them for themselves.

```
seashells = int(input("How many seashells do you have?"))

if [answer1]:
    print("Give your friend a seashell.")
else:
    print("Keep the seashells for yourself.")
```

Canvas attendance quiz passcode:

Question 7 (old)

Fill in the two blanks:

Print 0,1,2,3,0,1,2,3 using two loops (commas not necessary)

```python
x = 0
y = 0
while x <_____:
    while y <_____:
        print(y)
        y=y+1
    x=x+1
```

Canvas attendance quiz passcode:

Question 7 (updated)

Fill in the two blanks:

Print 0,1,2,3,0,1,2,3 using two loops (commas not necessary)

```
x = 0
y = 0
while x <_____:
    y = 0
    while y <_____:
        print(y)
        y=y+1
    x=x+1
```

Canvas attendance quiz passcode:

LAB CONTENT

- Functions min-lesson

- Calculator mini-project

- Mad-libs mini-project*

*Optional content

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Canvas attendance quiz passcode:

After this lab, on a scale of 1 to 5, how would you rate your understanding of this week's content?

- 1 – Did not understand anything
- 2 – Understood some parts
- 3 – Understood most of the content
- 4 – Understood all of the content
- 5 – The content was easy for me/I already knew all of the content

Canvas attendance quiz passcode:

QUBIT x QUBIT