Instructions

Instructions:

1. You have 15 minutes to attempt the quiz
2. Once you start the quiz, you cannot go back and re-attempt it
3. You will not find answers online, so please make sure you are ready for the quiz
4. For Multiple Answer Questions, ALL the answers must be correct to score any point

Please make sure that you have good internet connection, else you will lose you data. There is only 1 attempt available for this quiz.

This quiz was locked Mar 29 at 6am.

Attempt History

	Attempt	Time	Score
LATEST	Attempt 1	6 minutes	90 out of 92.5

Score for this quiz: **90** out of 92.5
Submitted Mar 27 at 2:24pm
This attempt took 6 minutes.

Question 1 — 0 / 5 pts

With what integer value shall x be initialized as, such that Final Value of x is 268.5? Please mention the a

You Answered: 76

Correct Answers: 37

Question 2 — 5 / 5 pts

What is the value of

```
not (not t + f * t)
```

if executed after the code block above?

Correct! (•) True

( ) False

Question 3 — 0 / 2.5 pts

What should be the value of "location" such that print(hw6[location]) prints 6?

You Answered: -1

Correct Answers: 12

Question 4 — 3 / 3 pts

What should be the value of rng, such that print(sum(nums)) prints 48?

Correct! 9

Correct Answers: 9

Question 5 — 5 / 5 pts

What should be the value of rng2, such that the code block above prints 91?

Correct! 7

Correct Answers: 7

Question 6 — 0 / 0 pts

What all values of rng3 can produce 364 as the answer above?

You Answered: 13,14

Correct Answers: 27

Question 7 — 5 / 5 pts

What does g.greet(loud=False) prints above?

Correct! [x] Hello, Fred

[ ] HELLO, FRED!

Question 8 — 5 / 5 pts

What should a[0] be set equal to such that print(sum(sum(a)*sum(b))) prints 420?

Correct! 15

Correct Answers: 15

Question 9 — 5 / 5 pts

Is it guaranteed that print(np.prod(e)) will always be less than 1?

Correct! (•) True

( ) False

Question 10 — 5 / 5 pts

At which index of a, 99 values is stored?

Correct! (•) a[0, 2]

( ) a[0, 0]

( ) a[1, 1]

( ) a[1, 2]

( ) a[2, 2]

( ) a[1, 0]

Question 11 — 5 / 5 pts

What is the value of the square-root of sum of the dot product between y and the square-root of x? (answer up to 5 decimal points only, e.g. 0.12345

Correct! 9.01217

Correct Answers: 9.01217

Question 12 — 5 / 5 pts

What is the sum of all the elements of x and square-root of dot-product of sum of each coloumn of x and sum of each row of x? (answer up to 5 decimal points only, e.g. (

Correct! 17.34846

Correct Answers: 17.34846
17.34847

Question 13 — 5 / 5 pts

Which box value shall be used in img.crop such that the colorful Python Logo is completely visible?

Correct! (•) box7

( ) box1

( ) box2

( ) box3

( ) box4

( ) box5

( ) box6

( ) box8

( ) box9

Question 14 — 5 / 5 pts

Which Operation will hide the Colorful Python logo completely?

Correct! (•) Operation 4

( ) Operation 1

( ) Operation 2

( ) Operation 3

Question 15 — 5 / 5 pts

Numpy Axies are (y, x), where as PIL axies are (x, y). True or False?

Correct! (•) True

( ) False

Question 16 — 5 / 5 pts

From the options available below, which operation will give us "other" gradient? (Other means if we got verse)

( ) newimg = npimg[:-1, :] - npimg[1:, :]

( ) newimg = npimg[:, 1:] - npimg[1:, :]

( ) newimg = npimg[:-1, :] - npimg[:, 1:]

Correct! (•) newimg = npimg[:, :-1] - npimg[:, 1:]

Question 17 — 7 / 7 pts

Which kernel among these options will give us horizontal edge?

Correct! [x] kernel = np.float32([[-1, -1, -1],[0,0,0],[1,1,1]])

Correct! [x] np.float32([[-1, -2, -1],[0,0,0],[1,2,1]])

Correct! [x] kernel = np.float32([[-4, -1, -4],[0,0,0],[4,1,4]])

Correct! [x] kernel = np.float32([[-4, -4, -4],[0,0,0],[4,4,4]])

Question 18 — 5 / 5 pts

What would this kernel do?

kernel = 1/9*np.float32([[1,1,1],[1,1,1],[1,1,1]])

( ) Sharpen the image

Correct! (•) Blur the image

Question 19 — 5 / 5 pts

What would this kernel do?

kernal = np.float32([[0,0,0],[0,1,0],[0,0,0]])

Correct! (•) Nothing

( ) Sharpen the image

Question 20 — 5 / 5 pts

Which is the below is correct way of average the channels to get grayscale image?

Correct! [x] npimg = np.sum(npimg/3, axis=-1)

Correct! [x] npimg = np.sum(npimg, axis=-1)/3

Quiz Score: **90** out of 92.5

This quiz score has been manually adjusted by +5.0 points.