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Quiz review

Started on	Tuesday, 30 January 2024, 10:04 AM
State	Finished
Completed on	Tuesday, 30 January 2024, 10:07 AM
Time taken	2 mins 56 secs
Marks	9/10
Grade	**90** out of 100
Feedback	**Congratulations!!! You have passed by securing more than 80%**

Question 1

Correct

Mark 1 out of 1

Veena, a beginner in Python programing has written the code for counting the number of elements in the list. The code that she has written is given below. Analyse and display the output for the given code.

```
def addItem(listParam):
    listParam += [1]

mylist = [1, 2, 3, 4]
addItem(mylist)
print len(mylist)
```

Select one:

- ○ 8
- ◉ 5✔
- ○ 4
- ○ 1

Your answer is correct.

The list - mylist has 4 elements in it. On calling addItem() once, element 1 is added to this list. Length of mylist is 5 after the function execution.

The correct answer is: 5

Question 2

Correct

Mark 1 out of 1

Analyze the code given below and choose the correct output.

```
d = lambda p: p * 2
t = lambda p: p * 3
x = 2
x = d(x)
x = t(x)
x = d(x)
print(x)
```

Select one:

○ 36

◉ 24 ✔

○ 48

○ 12

○ 7

Your answer is correct.

After assigning x with 2, d(x) is the first call to lambda function. The function returns 4(2*2) and is assigned to x.

t(x) is the second call and the function returns 12(4*3) and is assigned to x.

d(x) is the third call and the function returns 24(12*2) and is assigned to x. Now, x is 24.

The correct answer is: 24

Question 3

Correct

Mark 1 out of 1

Identify which of the following methods return a string that represents the present working directory.

Select one:

- ○ os.getpwd()

- ⦿ os.getcwd() ✔

- ○ os.cwd()

- ○ os.pwd()

Your answer is correct.

The function getcwd() (get current working directory) returns a string that represents the present working directory.

The correct answer is: os.getcwd()

Question 4

Correct

Mark 1 out of 1

Describe the process of pickling in Python.

Select one:

- ⦿ conversion of a Python object hierarchy into byte stream ✔
- ○ conversion of a data table into a list
- ○ conversion of a byte stream into Python object hierarchy
- ○ conversion of a list into a data table

Your answer is correct.

Pickling is the process of serializing and de-serializing Python object structures. Serialization is the process of converting an object in memory into a byte stream which can be stored on disk or sent over network.

The correct answer is: conversion of a Python object hierarchy into byte stream

Question 5

Correct

Mark 1 out of 1

Choose the best statement that describes the output of the given code snippets:

numbers=[-2,4,6,-1]

new_no = list(filter(lambda x:x>0,numbers))

Select one:

○ It will filter all the numeric values from the list

◉ It will filter the positive numbers from a list ✔

○ It will filter the negative numbers from a list

○ It will throw an error

Your answer is correct.

The correct answer is: It will filter the positive numbers from a list

Question 6

Correct

Mark 1 out of 1

Identify which of the following functions can be used to create a symbolic link.

Select one:

- ○ os.ln()
- ○ os.symb_link()
- ○ os.symblin()
- ◉ os.symlink() ✔

Your answer is correct.

The method os.symlink() creates a symbolic link which contains a text string that is automatically interpreted and followed by the os as a path to another file or directory.

The correct answer is: os.symlink()

Question 7

Correct

Mark 1 out of 1

Which of the following functions can be used to read data from a file using a file descriptor?

Select one:

○ os.read() ✔

○ os.reader()

○ os.scan()

○ os.quick_read()

Your answer is correct.

The method read() reads at most n bytes from the file descriptor and will return a string containing all the bytes read.

The correct answer is: os.read()

Question 8

Incorrect

Mark 0 out of 1

Describe what os.name contains.

Select one:

○ the name of the operating system dependent module imported

○ the address of the module os

○ error, it should've been os.name() ✘

Your answer is incorrect.
You can get the name of the current running Operating System by checking : os.name.

The correct answer is: the name of the operating system dependent module imported

Question 9

Correct

Mark 1 out of 1

State what print(os.geteuid()) prints?

Select one:

○ the group id of the current process

◉ the user id of the current process ✔

○ both the group id and the user of the current process

Your answer is correct.

The method os.geteuid() gives the user id of the current process while the method os.getegid() gives the group id of the current process.

The correct answer is: the user id of the current process

Question 10

Correct

Mark 1 out of 1

State what os.close(f) does?

Select one:

○ Tterminates the process f if f is not responding

○ Terminates the process f

◉ Closes the file descriptor f ✔

○ Returns an integer telling how close the file pointer is to the end of file

Your answer is correct.

When a file descriptor is passed as an argument to os.close() method, it is closed.

The correct answer is: Closes the file descriptor f

◄ **Weather Analysis - Numpy array**

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