

Exam Memory Report

Exam Title: PCPP-32-101

Date of Exam: May 01, 2024

Question	Answer (Options)
Tkinter – How to import tkinter? (select 2)	<ul style="list-style-type: none"> - import tk - import TkInter - from TkInter import * - import tkinter
Tkinter window square 200 pixel, left uppercorner coordinates?	<ul style="list-style-type: none"> - 0,0 → correct - 0,200 - 200,0 - 200,200
Tkinter – unbindall() method	<ul style="list-style-type: none"> - Raise from where? - Arguments? - Function?
Tkinter - When does the window become visible?	<ul style="list-style-type: none"> - Running mainloop()
Tkinter - Destroy()	<ul style="list-style-type: none"> - Closes application window
Tkinter – Button, set font and fontsize Select two.	<ul style="list-style-type: none"> - button = tk.Button(root, text="Button 1", font=("Arial", 12)) - button.configure(font=("Arial", 12))
Tkinter – Set title of main window	<ul style="list-style-type: none"> - root = tk.Tk() - root.title("Main Window Title")
XML – enclosed in?	<ul style="list-style-type: none"> - Tags - <<< >>>
XML – first row printed when using XML.etree... module? tree.write(file, encoding='utf-8') → Output	<ul style="list-style-type: none"> - First row? '<?xml version="1.0" encoding="UTF-8"?>'
Select the correct HTTP Request	<ul style="list-style-type: none"> - POST - PUT - GET - ...
Sqlite – execute()	<ul style="list-style-type: none"> - Executes only one statement ?
Sqlite – Code example: Missing c.commit() after execution of statement How many entries will there be in DB?	<ul style="list-style-type: none"> - One - Three - Code has Error - None → Correct
CSV File: write rows with Dictwriter (flowername and color), and missing dict entry value for color. How does the output CSV file look like? e.g. Flower, Color: {name: "Tulip"}	<ul style="list-style-type: none"> - Tulip, None → wrong - Tulip, "" - Tulip,
CSV File, write content which has a “,” Content: one, two, three	<ul style="list-style-type: none"> - “one, two, three” ??
PEP 8: Docstrings (multiselect 2)	<ul style="list-style-type: none"> - Two types of docstrings: single line and multiline docstrings -
PEP - Naming Conventions	<ul style="list-style-type: none"> - Exception Name
PEP – Spaces (Select 2)	<ul style="list-style-type: none"> - Multiple choice, select 2 - 4 code examples were given - # Correct, Wrong
PEP: Typecheck	<ul style="list-style-type: none"> - isinstance(obj, class)

	<ul style="list-style-type: none"> - Is not ... ??
Sockets – What is socket programming?	<ul style="list-style-type: none"> - ...
Sockets – c.close()	<ul style="list-style-type: none"> - Like in os, closing connection - Closing connection but keeping ? running - Takes parameters?
ConfigParser – How to read config?	<ul style="list-style-type: none"> - read() → config.read('config.ini') - readstr() - readconf()
json.dumps()	<ul style="list-style-type: none"> - Takes python object - Returns json formatted string
How to escape unicode character in json?	<ul style="list-style-type: none"> - \u: This is the correct escape sequence for representing Unicode characters in JSON. - \x - x' - u'
Networking: Which exception is the one you should check for?	<ul style="list-style-type: none"> - ConnectionRefusedError - socket.gaierror - ...
Pickle – What is the expected behavior when using pickle on a class?	<ul style="list-style-type: none"> - pickle and unpickle should work without errors when using the same Python version (?)
Code raising a custom exception: Not inheriting from any Exception... (#2 examtopics.com)	<ul style="list-style-type: none"> - Error (Custom Exception needs to inherit from some exception) - The code is erroneous as the OwnMath class does not inherit from any Exception type class
Select the true statement about composition. (#1 examtopics.com)	<ul style="list-style-type: none"> - Composition allows a class to be projected as a container of different classes - You can use inheritance AND composition at the same time ?
Dunder: __bases__ ?	<ul style="list-style-type: none"> - tuple of references to the parent classes from which the class inherits (correct) - returns dict
Dunder: __ne__ ?	<ul style="list-style-type: none"> - inequality comparison operator (correct) - there is no special method __ne__
What is cls?	<ul style="list-style-type: none"> - Parameter for class methods
What is the name of the private variable?	<ul style="list-style-type: none"> - __my_var - my_var
Code Example Which methods in class should be static and needs the decorator?	<ul style="list-style-type: none"> - Both - Method1 - Method2 - None
OOP: MRO Error: What should you do?	<ul style="list-style-type: none"> - Simplify the class hierachy
Questions from www.examtopics.com (BUT questions or code slightly changed)	

```
class Sword:
    var1 = 'weapon'

    def __init__(self):
        self.name = 'Excalibur'

s = Sword
s.var1
```

'weapon'

```
import tkinter as tk

root = tk.Tk()
root.geometry("200x100")

# Method 1: Setting font during button creation
button1 = tk.Button(root, text="Button 1", font=("Arial", 12))
button1.pack()

# Method 2: Configuring font after button creation
button2 = tk.Button(root, text="Button 2")
button2.configure(font=("Arial", 12))
button2.pack()

root.mainloop()
```

```
class OwnMath:
    pass

def calculate_value(numerator, denominator):
    try:
        value = numerator / denominator
    except ZeroDivisionError as e:
        raise OwnMath from e

calculate_value(4, 0)
```

TypeError: exceptions must derive from BaseException

```
def my_decorator(coating):
    def level1_wrapper(my_function)
        def level2_wrapper(*args)
            my_function(*args)
        return level2_wrapper

    return level1_wrapper
```

It is an example of a decorator that accepts its own arguments.

```
class Item:
    def __init__(self, initial_value):
        self.value = initial_value

    def __ne__(self, other):
        ...
```

- A. `__ne__()` is not a built-in special method.
- B. The code is erroneous
- C. The code is responsible for the support of the negation operator, e.g. `a = - a`
- **D. The code is responsible for the support of the inequality operator, i.e. `!=` (CORRECT)**

Useful Links

- Exam Content: <https://pythoninstitute.org/assets/628def5091da2303121759.pdf>
- Udemy: [6 Practice Exams by Paweł Krakowiak: Become a Certified Professional in Python Programming 1 with PCPP1™](#)
- Courses Aligned: <https://pythoninstitute.org/pcpp1>
- YouTube: [Tkinter Course - Create Graphic User Interfaces in Python Tutorial](#)
- examtopics.com: [PCPP1](#)



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- [Python Advanced 3](#) (GUI Programming)*
- [Python Advanced 4](#) (Network Programming)*
- [Python Advanced 5](#) (File Processing and Communicating with a Program's Environment)*

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PCPP1 – Certified Professional in Python Programming 1**End of Exam Report**

CANDIDATE NAME: Antonia Alice Frey
CANDIDATE ID: 310666947
EXAM TITLE: PCPP1 – Certified Professional in Python Programming 1
EXAM CODE: PCPP-32-101
EXAM DATE: May 01, 2024
SCORE: 81%
RESULT: Pass

Congratulations! You have passed your exam.

<u>Section</u>	<u>Score (%)</u>
Advanced Object-Oriented Programming	83
Coding Conventions, Best Practices, and Standardization	100
GUI Programming	83
Network Programming	54
File Processing and Communicating with a Program's Environment	94