Software Design
demo

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1. nfig () in Python Tkinter are used for

    1. destroy the widget
    2. place the widget
    3. change property of the widget
    4. configure the widget

2. Which of the following environment variable for Python contains the path of an initialization file containing Python source code?

    1. PYTHONPATH
    2. PYTHONSTARTUP

    3. PYTHONCASEOK

    4. PYTHONHOME

3. When is the finally block executed?

    1. when there is no exception

    2. when there is an exception

    3. only if some condition that has been specified is satisfied

    4. always

4. For tuples and list which is correct?

    1. List and tuples both are mutable.

    2. List is mutable whereas tuples are immutable.

    3. List and tuples both are immutable.

    4. List is immutable whereas tuples are mutable.

5. Analyze the code:

```python
print("Recursive Function")
def factorial(n):
    return(n*factorial(n-1))
factorial(4)
```

    1. Recursive Function 24.

    2. Recursive Function.

    3. Function runs infinitely and causes a StackOverflowError.

    4. Syntax Error.

6. How to create a frame in Python?

    1. Frame = new.window()

    2. Frame = frame.new()

    3. Frame = Frame()

    4. Frame = window.new()

7. Syntax error in python is detected by _____ at _____

    1. compiler/ compile time

    2. interpreter/ run time

    3. compiler/ run time

    4. interpreter/ compile time

8. What is the output of **print str**[2:5] **if str** = 'Hello World!'?

    1. llo World!

    2. H

3. llo

4. None of the above.

9. What is the output of the following code?

eval("1 + 3 * 2")

1. 1+6
2. 4*2
3. 1+3*2
4. 7

10. Is the following Python code valid?

```
try:
    # Do something
except:
    # Do something
finally:
    # Do something
```

1. no, there is no such thing as finally
2. no, finally cannot be used with except
3. no, finally must come before except
4. yes

11. rrect way to draw a line in canvas tkinter?

1. line ()
2. canvas. create_line ()
3. create_line (canvas)
4. None of the above

12. What is the output of the code?

```
def f ():
    try:
        return (1)
    finally:
        return (2)
k=f ()
print (k)
```

1. 1 2
2. 2 1
3. 2
4. Error

13. What will be the output of the following code?

```
for i in ['t', 'n', 'i ', 'o', 'p'][::-1]:
    print(i)
```

1. t n i o p
2. p o i n t
3. t n i o p 1 0 −1
4. p o i n t 1 0 −1

14. What is output of following code:

```
num=3
while True:
    if (num%0o12 == 0):
        break
print(num)
num += 1
```

1. 3 4 5 6 7 8 9 10 11 12
2. 3 4 5 6 7 8 9
3. 3 4 5 6 7 8 9 10 11
4. None of the above

15. What is the output of **print** tinylist $* 2$ **if** tinylist $= [123,$ 'john']?

1. [123, 'john', 123, 'john']\ lstinline
2. [123, 'john'] $* 2$\ lstinline
3. Error
4. None of the above.

16. Pylab is a package that combine _____, _____ and _____ into a single namespace.

1. Numpy, scipy and matplotlib
2. Numpy, matplotlib and pandas
3. Numpy, pandas and matplotlib
4. Numpy, scipy and pandas

17. What is the following function compares elements of both dictionaries dict1, dict2?

1. dict1.**cmp**(dict2)
2. dict1.sort(dict2)
3. **cmp**(dict1, dict2)
4. None of the above.

18. What is the following function returns item from the list with max value?

1. **cmp**(**list**)

2. **len**(**list**)

3. **max**(**list**)

4. **min**(**list**)

19. What is the following function removes an object from a list?

    1. **list** .index(obj)

    2. **list** . insert (index, obj)

    3. **list** .pop(obj=**list**[−1])

    4. **list** .remove(obj)

20. Which of the following function convert a string to a float in python?

    1. **int**(x [, base])

    2. **long**(x [,base])

    3. **float**(x)

    4. **str**(x)