

Python-PrepTerm Quiz

Code:	MT2020031
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1. What is the following function gives the total length of the list?
 1. `cmp(list)`
 2. `len(list)`
 3. `max(list)`
 4. `min(list)`
2. 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.
3. Syntax error in python is detected by _____ at _____
 1. compiler/ compile time
 2. interpreter/ run time
 3. compiler/ run time
 4. interpreter/ compile time
4. What is the following function inserts an object at given index in a list?
 1. `list.index(obj)`
 2. `list.insert(index, obj)`
 3. `list.pop(obj=list[-1])`
 4. `list.remove(obj)`
5. 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)`

6. What will be the output of the following Python code?

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

1. 1
2. 2
3. 3
4. error, there is more than one return statement in a single try-finally block

7. Which of the following function convert a String to a list in python?

1. **repr**(x)
2. **eval**(str)
3. **tuple**(s)
4. **list** (s)

8. 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.

9. 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

10. There are different basic operators in python and work according to the order of their precedence.

Arrange the order of precedence of the following operators:

1. Division
2. Multiplication
3. Parentheses
4. Exponential
5. Addition

6. Subtraction

1. i, ii, iii, iv, v, vi.
2. iv, iii, ii, i, vi, v.
3. iii, iv, i, ii, v, vi.
4. iv, iii, i, ii, v, vi.

11. What is the output of the following code?

```
eval("1 + 3 * 2")
```

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

12. `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

13. Analyze the code:

```
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.

14. What is the output of the following code?

```
def nprint(message, n):
    while(n > 0):
        print(message)
    n-=1
nprint('z', 5)
```

1. zzzz
2. zzzzz
3. Syntax Error
4. Infinite Loop

15. 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

16. What is the following function reverses objects of list in place?

1. `list.reverse()`
2. `list.sort([func])`
3. `list.pop(obj=list[-1])`
4. `list.remove(obj)`

17. What will be the output of the below given code?

```
colors = ["white", "Black", "Grey"]
x = "Red" not in colors
```

1. Yes
2. No
3. Error: not in not defined
4. True

18. 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

19. 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

20. 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.