

Python-PrepTerm Quiz

Code:	MT2020008
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1. 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.
2. What is output of following code:
- ```
a = (1, 2) a[0] +=1
```
1. (1,1,2)
  2. 2
  3. Type Error
  4. Syntax Error
3. Name the error that doesn't cause program to stop/end, but the output is not the desired result or is incorrect.
1. Syntax error
  2. Runtime error
  3. Logical error
  4. All of the above
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 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

6. What is output for:

```
a = ['hat', 'mat', 'rat']
'rhyme'.join(a)
```

1. ['hat','mat','rat','rhyme']
2. 'hatmatratrhyme'
3. ['hat mat rat rhyme']
4. 'hatrhymematr rhyme rat'

7. Which of the following function sets the integer starting value used in generating random numbers?

1. choice(seq)
2. randrange ([start,] stop [,step])
3. random()
4. seed([x])

8. 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

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. Which of the following is required to create a new instance of the class?
1. A constructor
  2. A class
  3. A value-returning method
  4. A None method
11. Using the pack manager, how you can you put the components in a container in the same row?
1. `Component.pack(side= 'LEFT')`
  2. `Component.pack('Left')`
  3. `Component.pack(side=LEFT)`
  4. `Component.pack(Left-side)`
12. 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)`
13. What will be the output of the code?
- ```
z = "Best website is Tutorials Point" z.find("Tutorials")
```
1. 3
 2. 13
 3. 17
 4. 16
14. What is the output of `print tinylist * 2 if tinylist = [123, 'john']`?
1. `[123, 'john', 123, 'john']\l`stinline
 2. `[123, 'john'] * 2\l`stinline
 3. Error
 4. None of the above.
15. 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)`
16. Which of the following statements are correct about the given code snippet?

```

class A:
    def _init_(self, i = 0):
        self.i = i

class B(A):
    def _init_(self, j = 0):
        self.j = j

def main():
    b = B()
    print(b.i)
    print(b.j)

main()

```

1. Class B inherits A, but the data field 'i' in A is not inherited.
 2. Class B inherits A, thus automatically inherits all data fields in A.
 3. When you create an object of B, you have to pass an argument such as B(5).
 4. The data field 'j' cannot be accessed by object b.
17. What is the following function gives the total length of the list?
1. **cmp(list)**
 2. **len(list)**
 3. **max(list)**
 4. **min(list)**
18. What is the output of **print str * 2** if **str = 'Hello World!'**?
1. Hello World!Hello World!
 2. Hello World! * 2
 3. Hello World!
 4. None of the above.
19. **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
20. What will be the output of the following code?
- ```
print(type(1/2))
```
1. **<class 'float'>**
  2. **<class 'int'>**
  3. **NameError: '1/2' is not defined.**
  4. 0.5