Software Design
demo

Code:	rn7

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1. 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

2. 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.

3. 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**)

4. 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

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. 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.

7. Which of the following operator in python evaluates to true if it does not finds a variable in the specified sequence and false otherwise?

    1. **
    2. //

3. **is**
4. **not in**

8. 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

9. 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)

10. 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)

11. 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

12. 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

13. 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.

14. 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)

15. What happens in the below code?

```
class A:
    def __init__(self, i=100):
        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 all the data fields of class A.
    2. Class B needs an Argument.
    3. The data field 'j' cannot be accessed by object b.
    4. Class B is inheriting class A but the data field 'i' in A cannot be inherited.

16. 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.

17. Which of the following function converts a string to all lowercase?

    1. lower()
    2. lstrip ()
    3. **max**(**str**)
    4. **min**(**str**)

18. Essential thing to create a window screen using tkinter Python?

    1. call tk() function
    2. create a button
    3. To define a geometry
    4. All of the above

19. 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

20. How many except statements can a try-except block have?

    1. zero
    2. one
    3. more than one
    4. more than zero