

Software Design demo

Code:	rn10
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1. 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

2. What will be the output of the following code snippet?

```
class Sales:
    def _init_(self, id):
        self.id = id
        id = 100

val = Sales(123)
print (val.id)
```

1. SyntaxError, this program will not run
2. 100
3. 123
4. None of the above

3. 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

4. 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

5. 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.
6. Which of the following function converts a string to all lowercase?
 1. lower()
 2. lstrip ()
 3. **max(str)**
 4. **min(str)**
7. Which of the following function of dictionary gets all the keys from the dictionary?
 1. getkeys()
 2. key()
 3. keys()
 4. None of the above.
8. 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
9. Syntax error in python is detected by _____ at _____
 1. compiler/ compile time
 2. interpreter/ run time
 3. compiler/ run time
 4. interpreter/ compile time
10. What is output of following code:
a = (1, 2) a[0] +=1
 1. (1,1,2)
 2. 2
 3. Type Error
 4. Syntax Error
11. What is output for **min("hello world")**
 1. e
 2. a blank space character
 3. w
 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. 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.
14. 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

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

1. [123, 'john', 123, 'john']\lstinline
2. [123, 'john'] * 2\lstinline

3. Error
 4. None of the above.
16. What is the following function gives the total length of the list?
1. `cmp(list)`
 2. `len(list)`
 3. `max(list)`
 4. `min(list)`
17. What will be the output of the following code?
- ```
minidict = { 'name': 'TutorialsPoint', 'name': 'website' }
print(minidict['name'])
```
1. TutorialsPoint
  2. Website
  3. ('TutorialsPoint', 'website')
  4. It will show an Error.
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. 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'
20. 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