

Software Design demo

Code:	rn5
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Response Table

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1. 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
2. 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)`
3. Which of the following environment variable for Python is an alternative module search path?
 1. PYTHONPATH
 2. PYTHONSTARTUP
 3. PYTHONCASEOK
 4. PYTHONHOME

4. 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
5. 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

6. What should be given in range of the given below code to print nothing in output?

```
for i in range(?):  
    print(i)
```

1. 0.1
 2. 0
 3. NULL
 4. 1
7. 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.
8. 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
9. 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
10. 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
11. What will be the output of the following Python code?
- ```
try:
 if '1' != 1:
 raise "someError"
 else:
 print("someError has not occurred")
except "someError":
 print ("someError has occurred")
```
1. someError has occurred
  2. someError has **not** occurred

3. invalid code
  4. none of the mentioned
12. What is the output for:
- ```
'you are doing well'[2:999]
```
1. 'you are doing well'
 2. ' '
 3. Index error.
 4. 'u are doing well'
13. How to create a frame in Python?
1. `Frame = new.window()`
 2. `Frame = frame.new()`
 3. `Frame = Frame()`
 4. `Frame = window.new()`
14. What is the output of `print tinylst * 2 if tinylst = [123, 'john']`?
1. `[123, 'john', 123, 'john']\lnewline`
 2. `[123, 'john'] * 2\lnewline`
 3. Error
 4. None of the above.
15. 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)`
16. 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
17. 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**

18. 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.
19. 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])

20. 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