

# Software Design demo

Code:	rn9
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**Response Table**

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- Which of the following function convert a string to a float in python?
  - `int(x [,base])`
  - `long(x [,base] )`
  - `float(x)`
  - `str(x)`
- Pylab is a package that combine \_\_\_\_\_, \_\_\_\_\_ and \_\_\_\_\_ into a single namespace.
  - Numpy, scipy and matplotlib
  - Numpy, matplotlib and pandas

3. Numpy, pandas and matplotlib
4. Numpy, scipy and pandas
3. 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
4. Which of the following environment variable for Python is an alternative module search path?
  1. PYTHONPATH
  2. PYTHONSTARTUP
  3. PYTHONCASEOK
  4. PYTHONHOME
5. 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
6. 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.
7. What is output of following code:  

```
a = (1, 2) a[0] +=1
```

  1. (1,1,2)
  2. 2
  3. Type Error
  4. Syntax Error
8. 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.
9. What is the output of `print tinylis * 2 if tinylis = [123, 'john']`?
  1. [123, 'john', 123, 'john']\lstinline
  2. [123, 'john'] \* 2\lstinline
  3. Error
  4. None of the above.
10. Which of the following operator in python evaluates to true if the variables on either side of the operator point to the same object and false otherwise?
  1. \*\*
  2. //
  3. is
  4. not in
11. 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])`

12. 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`

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 following function sorts a list?

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

15. 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

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. Which of the following function converts a string to all lowercase?
1. `lower()`
  2. `lstrip()`
  3. `max(str)`
  4. `min(str)`
18. rect way to draw a line in canvas tkinter?
1. `line()`
  2. `canvas.create_line()`
  3. `create_line(canvas)`
  4. None of the above
19. 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
20. Syntax error in python is detected by \_\_\_\_\_ at \_\_\_\_\_
1. compiler/ compile time
  2. interpreter/ run time
  3. compiler/ run time
  4. interpreter/ compile time