Python 程序设计基础

期中复习

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注:本章练习中的所有语法规则、代码 执行结果等对 python 版本存在依赖关系 的内容,均以 python==3.10.9 为准。

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	单项选择题 本大题共 15 小题, 每题有下列对 python 语言描述正确的是	
	A. Dynamic tying, interpretive langua	age
	B. Static tying, interpretive language	
	C. Static tying, complied language	
2.	D. Dynamic tying, complied language —— 不是 现有的 Python 解释器。	
	A. CPython	B. IPython
3.	C. LPython —— 不是 合法的字符串声明语句.	D. IronPython
	A. s=""	B. s="""\"""
	C. s="""	D. s='"'

4.	执行下列语句,对应的输出为	
1	text = "# Whether it is a comment	?"
2	<pre>print(text)</pre>	
I	A. Raise a Syntax error.	
	B. $\#$ Whether it is a comment?	
	C. Whether it is a comment?	
	D. There is no output.	
5.	不是 Python 的基本数据类型。	
	A. List	B. Dictionary
	C. Number	D. Matrix
6.	执行下列语句,对应的输出为	
1	s = "Python"	
2	print (s [:4] + s [4:])	
	A. Raise a Syntax Error.	B. Pyton
	C. Python	D. Pythn
7.	下列哪个选项不是 python 保留字pass	的作用?
	A. Creating minimal classes.	
	B. Passing arguments.	
	C. Keep statement syntactically valid	
	D. Used as a place-holder for a function	on or conditional body.

8. 执行下列语句,对应的输出为 _____.

```
print(sum(range(5)))
```

- A. Raise a Syntax error.
- B. Output a range object.

C. 6

D. 10

9. 执行下列语句,对应的输出如注释所示。则代码块中留空的部分应填入 ____

```
for num in range(2, 8):
        if num \% 2 == 0:
2
            print("Found an even number", num)
4
        print("Found an odd number", num)
5
   # Found an even number 2
   # Found an odd number 3
7
   # Found an even number 4
   # Found an odd number 5
   # Found an even number 6
10
   # Found an odd number 7
11
```

- A. Nothing, just keep it empty.
- B. continue
- C. break
- D. pass

1	a = [(1, 'a'), (3, 'b'), (2, 'c'), (4, 'd')] # define a list		
2			
3	a. sort (lambda x: x[1], reverse = True)		
3	print(a)		
	A. Raise a Type Error.		
	B. [(1, 'a'), (3, 'b'), (2, 'c')	, (4, 'd')]	
	C. [(1, 'a'), (2, 'c'), (3, 'b')	, (4, 'd')]	
	D. <class 'list'=""></class>		
11.	考虑两个集合a, b. 下列集合操作和其	描述不对应的是 _	·
	A. a-b: elements in b but not in a.		
	B. a b: elements in a or b or both.		
	C. a^b: elements in a or b but not both.		
	D. a&b: elements in both a and b.		
12.	2 用于获取字典a中值 (value) 的dict_value().		
	A.a.value()	B. a.values()	
	C. a.item()	D. a.items()	
13.	不属于built-in方法.		
	A. open B. print	C. close	D. all
14.	关于 Python 基本类型list中的方法,	返回值为None的有	·
	A. insert	B. sort	
	C. remove	D. All of them abo	ove.

10. 执行下列语句,对应的输出为 _____.

- 15. 关于文件读写模式的说法,下列说法正确的是 ____.
 - A. 'r+': Open the file for both reading and writing text.
 - B. 'ab': Open for writing bytes, appending to the end of file if it exists.
 - C. 'xt': Open for exclusive creation to write text, failing if the file already exists.
 - D. All of them above.
- 二. 多项选择题 本大题共 5 小题, 每题至少有一个正确答案。
- 16. 下列语句和题干表述一致的语句有 _____.

```
squares = []
for x in range(10):
squares.append(x**2)
```

- A. squares = list(map(lambda x: x**2, range(10)))
- B. squares = [x**2 for x in range(10)]
- C. squares = [x**2 while x < 10]
- 17. 下列字符串声明中,没有语法错误的是 _______

18.	else通常的用法有
	A. if-else statement
	B. for-else statement
	C. try-except-else statement
	D. None of them above.
19.	执行下列语句,对应的输出为
1	def bool_return ():
2	try:
3	return True
4	finally:
5	return False
6	return None
7	bool_return()
	A. True
	B. False
	C. None
	D. All of them above are possible.
	E. All of them are impossible.

20. 执行下列语句,对应输出正确的有 _____.

```
a = [-1, 1, 66.25, 333, 333, 1234.5]

del a [0]

print(a) # A

del a [2:4]

print(a) # B

del a [:]

print(a) # C

del a

print(a) # D
```

- A. [1, 66.25, 333, 333, 1234.5]
- B. [1, 66.25, 1234.5]
- C. []
- D. None
- 三. 简答题 本大题共 3 小题。
- 21. 请写出下列语句的输出结果。

```
matrix = [
        [1, 2, 3, 4],
        [5, 6, 7, 8],
        [9, 10, 11, 12],
        ]
        print ([[row[i] for row in matrix] for i in range(4)])
```

22. 下列是用于计算并输出素数的小程序,请补全程序以实现其功能。

23. 下列是用于计算复数和的小程序,请补全程序以实现其功能。(注:每行输入包含 2 个整数,格式为 real imag,当输入为单个 -1 时输出结果,也即所有输入复数的和,在其他情况下需要输出 Invalid Input!。保证至少有一个正确输入的复数。)

```
c_sum = complex(0, 0)
  while True:
3
      ii = input("Please input a complex:")
4
5
         break
6
      try:
7
          ii = _____
8
          real, imag = ____
         c_sum += complex(real, imag)
10
      except _____:
11
         print("Invalid Input!")
13
  print(c_sum)
14
```